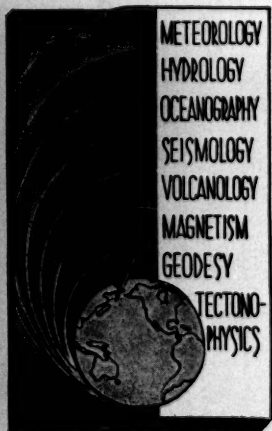


SEPTEMBER 1959

Directory

American Geophysical Union



THE AMERICAN GEOPHYSICAL UNION
of the
NATIONAL ACADEMY OF SCIENCES
NATIONAL RESEARCH COUNCIL

AMERICAN GEOPHYSICAL UNION

1515 Massachusetts Avenue, N.W.
Washington 5, D. C.

PUBLICATIONS

(See pages 118-120 of this Directory for further information)

The Monthly Journal of Geophysical Research—This is the chief scientific publication of the American Geophysical Union, issued monthly. Non-member subscriptions are \$16.00 for the calendar year 1959; \$2.00 per individual copy; \$20.00 for the calendar year 1960; \$2.25 per individual copy.

The Quarterly Transactions—The new quarterly *Transactions* of the American Geophysical Union is a medium for popularized and quasi-scientific material relating to geophysics of interest not only to scientists and technologists working in this field but to science teachers and to the lay reader as well. In addition, the *Transactions* carries reviews or other word of selected important geophysical books and other publications, notes and personalia, and information concerning the activities of the American Geophysical Union including minutes of meetings. The occasional directory of members will also appear in the *Transactions*. Non-member subscriptions to the *Transactions* are \$4.00 for the calendar year; \$1.25 per individual copy (except Directory issues, \$2.25).

Geophysical Monograph Series—These are occasional publications based largely on symposia and conferences in which the subject matter relates to a particular field or project but the series

may include papers too long for the *Journal*. No. 1, *Antarctica in the International Geophysical Year* (133 pages, 1956, \$6.00), No. 2, *Geophysics and the IGY* (210 pages, 1958, \$8.00), No. 3, *The Atmospheric Chemistry of Chlorine and Sulfur Compounds* (129 pages, 1959, \$5.50), and No. 4, *Contemporary Geodesy* (96 pages, 1959, \$5.50), are still available. No. 5 on the physics of precipitation is scheduled for publication early in 1960. Watch *Special Announcements* in the *Transactions* for further word.

Bulletin of the Academy of Sciences, USSR, Izvestiya, Geophysics Series—English edition published with the aid of a grant from the National Science Foundation, 12 numbers comprising the volume for 1958, subscription price \$25.00.

Trudy of the Geophysical Institute in Moscow—Numbers 37-40 inclusive of *Trudy* are now being translated and will be published in an English edition for the AGU by Consultants Bureau, Inc., in New York, with the aid of a grant from the National Science Foundation. They should be available in January 1960. See page 120 of this Directory for titles and other details, and watch *Special Announcements* in the *Transactions* for word.

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Preface

This list of members, corrected for changes received to August 1, 1959, supplants the list dated February 10, 1957, published as a supplement or second section of the April 1957 issue of the *Transactions*. Following the alphabetical lists of individual and corporation members is a geographical list which, for the states, territories, and possession of the United States, is by states and cities, for Canada by cities, and otherwise by countries. The third portion of the Directory is a list of the Committees of AGU and its Sections. At the end of the Directory is a list of publications of AGU.

In the main alphabetical and the geographical lists, the code letters following the names are the usual ones for the Section affiliations, as follows:

- (a) Geodesy
- (b) Seismology
- (c) Meteorology
- (d) Geomagnetism and Aeronomy
- (e) Oceanography
- (f) Volcanology, Geochemistry, and Petrology
- (g) Hydrology
- (h) Tectonophysics

Geophysics has received great impetus under the influence of the highly successful International Geophysical Year, which has served to place emphasis not only on the fact that the Earth as a whole is one great laboratory but also on the increasing importance of the environment of the Earth in space.

The various fields of geophysics in general had considerable development as individual sciences before the occurrence of the integrating influences of geophysics. However, even today we find a tendency towards separate development in many fields, overlooking or disregarding the relationships of each field to other facets of geophysics. It is thus that AGU is a Union exercising the force to counteract the centrifugal forces that are present.

The postwar General Assemblies of the International Union of Geodesy and Geophysics (the last of which was held in Toronto in 1957; the Twelfth to be held in Helsinki in 1960) underscore what the International Geophysical Year has shown the necessity of the integration of the outlook upon the problems of the Earth. The International Geophysical Year did much to develop new facets in geophysics, perhaps most notably in aeronomy and in the Antarctic region, but substantially also in other fields where synoptic observations are essential to studying and understanding the problems of the Earth. The development of the techniques of rocketry and the satellites has done much to facilitate the study of the Earth's environment. Outstanding results have been the detection of the Van Allen radiation belts and other phenomena.

It is believed that there are many other well-qualified workers in various aspects of geophysics who are not now members of AGU and who should be members to the mutual advantage of AGU and the individuals. Through such membership AGU may attain its greatest usefulness. It is to the advantage and benefit of the present members as well that these be brought into membership. So each member is requested to do what he can to bring his colleagues into membership. The geographical section of this Directory should be especially useful in helping to determine whom to approach in order that the geophysical sciences and the AGU may continue to grow and more nearly fulfill the aims with respect to the broad field of geophysics, to science as a whole, and to the welfare of Man. To facilitate new memberships, an application form is inserted at the end of this Directory.

1515 Massachusetts Ave., N.W.
Washington 5, D. C.
September 1959

CONTENTS

Transactions, American Geophysical Union Volume 40, Number 3 September 1959

DIRECTORY

Preface	1
Alphabetical list of individual members	3
Alphabetical list of corporation members	95
Geographical list of members	96
Union and Section Committees	117
List of publications	118

Directory American Geophysical Union

Alphabetical List of Members

August 1, 1959

- AARONS, Dr. Jules, AF Cambridge Research Center, Bedford, Mass. (d) 57
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- ABBOTT, Mr. Clinton W. W., 4118 54th St., Sacramento 20, Calif., (cg) 53
- ABBOTT, Prof. William N., 12 Odos Mourousi, Athens (K), Greece (d) 58
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- ABELSON, Dr. Philip H., Geophysical Laboratory, 2801 Upton St., N.W., Washington, D. C. (aef) 53
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- ABRAHAM, Mr. John H., Jr., 5805 Artec, N.E., Albuquerque, N. M. (fg) 56
- ABRAMS, Mr. Talbert, Abrams Aerial Survey Corp., Lansing 1, Mich. (a) 47
- ABRAMS, Mr. William J., 434 N. Plankinton St., Milwaukee, Wisc. (g) 56
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- ACHESON, Dr. Louis K., Jr., 4793 Williamsburg Blvd., Arlington 7, Va. (d) 59
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- ADAMS, Mr. John A., Jr., P. O. Box 1190, Albuquerque, N. M. (g) 43
- ADAMS, Mr. John B., Box 335, Route 1, Sarasota, Fla. (ef) 59
- ADAMS, Mr. John E., Standard Oil Company of Texas, P. O. Box 1660, Midland, Texas (egh) 48
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- ADAMS, Mr. Richard M., 60 Garden St., Cambridge 38, Mass. (ce) 51
- ADAMS, Dr. (Samuel) Clifford, P. O. Box 217, Hanover, Ind. (abcdefgh) 51
- ADAMS, Mr. Thomas C., P. O. Box 4059, Portland, Ore., (ag) 55
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- AGUERREVERE, Sr. Pedro I., Apartado 1253, Caracas, Venezuela (bdg) 41
- AGUERREVERE, Mr. S. E., Apartado 1253, Caracas, Venezuela (abc) 48
- AGUILAR, Mr. Alonso, Jr., P. O. Box 2133, San Juan, P. R. (g) 58
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- AISENSTEIN, Mr. Boris, Water Planning for Israel, P. O. Box 779, Jerusalem, Israel (fgh) 50
- AITKEN, Miss Janet M., University of Connecticut, Storrs, Conn. (fh) 48
- AJWANI, Mr. Hashu J., Water Resources Development Training Centre, University of Roorkee, Roorkee, U. P., India (g) 55
- AKIMOTO, Mr. Syun-iti, Geophysical Institute, Tokyo University, Shinjuku-ku, Tokyo, Japan (d) 59
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- ALBRIGHT, Mr. E. Glenn, California Ecuador Petr. Co., Apartado 3397, Guayaquil, Ecuador (b) 52
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- ALLEN, Mr. Harold A., 4304 Teton St., Boise, Idaho (befgh) 55
- ALLEN, Mr. Louis P., 1928 I St., N.W., Washington 6, D. C. (cdeg) 46
- ALLEN, Mr. Philip W., 817 Lacy Lane, Las Vegas, Nevada (c) 59
- ALLEN, Dr. Rhessa M., Jr., Dept. of Pet. & Geol. Engr., Louisiana Polytechnic Institute, Ruston, La. (g) 50
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- ANDREWS, Mr. James F., U. S. Weather Bureau, Extended Forecast Sec., Suitland, Md. (c) 49
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- ARMSTRONG, Mr. Henry K., 5705 Newington Rd., Springfield, Bethesda 16, Md. (g) 46
- ARMSTRONG, Dr. H. S., Dept. of Geology, McMaster University, Hamilton, Canada (efgh) 47
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- AUSTIN, Mr. George B., Jr., P. O. Box 4445, St. Andrews Sta., Panama City, Fla. (e) 53
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97

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A. O. Wassenaar (g)

S. H. Williston (d)

LOS ALTOS HILLS

M. I. Green (d)

LOS ANGELES

L. H. Adams (bdh)

E. H. A. Andrews (abh)

H. P. Bailey (c)

N. M. Baker (g)

E. S. Batten (c)

J. A. B. Bjerknes (c)

H. F. Blancy (g)

R. S. Brown (fg)

N. Burras (g)

M. F. Burke (cg)

S. S. Butler (g)

G. Buto (b)

F. A. Camp (g)

G. V. Chillingar (eg)

J. M. Christie (h)

H. Conkling (g)

C. E. Corbato (afgh)

J. C. Crowell (cegh)

C. J. Derrick (b)

F. J. Doran (cg)

R. P. Eckie (bg)

G. E. Edinger (c)

R. A. Edwards (bde)

C. C. Elder (cg)

K. O. Emery (cg)

F. Friend (g)

D. L. Gatch (ag)

H. P. Gates (cg)

R. P. Gilman, III (bcg)

R. M. Glendinning (cg)

M. Glickson (ad)

A. D. Goedeke (d)

U. S. Grant (cg)

D. G. Graves (ad)

D. T. Griggs (abfh)

G. L. Guymon (g)

W. A. Hall (g)

J. C. Harman (bh)

G. C. Heard (beh)

S. E. Helprin (bd)

W. I. Hicks (g)

R. A. Hill (g)

W. Holmann (g)

J. Holmboe (g)

R. E. Holzer (cg)

H. Hoover, Jr. (abdefgh)

H. W. Hoyman (bdfh)

M. R. Huberty (g)

C. E. Imel (cg)

J. D. Isherwood (g)

S. Italia (abd)

J. J. Jakosky (ad)

J. G. Jones (cg)

C. H. Johnson (abdfh)

S. K. Johnson (g)

S. K. Kao (c)

J. Kaplan (cd)

G. C. Kennedy (fh)

E. E. Kilbuck (bdh)

F. O. Klein (d)

- Stanford Research Institute
D. J. Stuart (abch)
L. R. Tepley (cd)
H. E. Thomas (g)
G. W. Walker (abfh)
D. G. Willis (abdhg)
R. E. Winkelman (d)
G. F. Worts, Jr. (g)
- MERCED
K. R. McSwain (g)
- MILLBRAE
L. Costello (g)
G. J. Tarrico (fg)
- MODESTO
R. J. Shlomon (bef)
- MONTEBELLO
M. B. Scott (g)
- MONTEREY
W. D. Duthie (c)
C. O. Fiske (ce)
F. L. Martin (c)
L. C. Taylor (ce)
W. C. Thompson (abce)
J. B. Wickham (ce)
R. Y. D. Chun (ceg)
R. G. Hansen (g)
R. M. Uriarte (abc)
- MOUNTAIN VIEW
K. A. Ruddock (d)
- NEWPORT BEACH
D. G. Van Ornum (ed)
- NORTH HOLLYWOOD
M. Anderson (g)
I. Borow (cg)
C. J. Dommes (g)
R. B. Hickok (g)
J. Paull (abceg)
L. P. Pratt (g)
J. Sherman (adg)
J. L. Smith (abdefgh)
NORTHIDGE
J. C. Fredericks (g)
C. E. Jacob (abdefgh)
NORTH SACRAMENTO
D. M. Hill (bgh)
W. L. Horn (g)
NORWALK
G. F. Welch (abceg)
NOVATO
W. O. Wright (abedgh)
OAKLAND
B. M. Basavaraj (bch)
G. E. Bell (g)
F. E. Clendenen (g)
M. R. Lewis (g)
W. M. Linder (g)
R. H. Sams (efh)
C. H. Sandberg (adfh)
V. R. Sobieralski (a)
W. V. Stauder (adg)
J. A. Trantina (b)
OCEANSIDE
R. L. Berry (bgh)
OILDALE
C. A. Bengtson (abdefgh)
G. J. Leith (fh)
ORANGE
H. G. Ferris (de)
OROVILLE
K. D. Weaver (bh)
OXNARD
W. A. Bowen, Jr. (d)
R. E. Jones (e)
J. T. O'Brien (eg)
C. Mock (b)
PACIFIC PALISADES
W. B. Anderson (c)
W. W. Kellogg (cd)
J. D. Sartor (c)
D. E. Whelan, Jr. (ade)
PACOMA
S. M. Goltz (g)
PALO ALTO
W. B. Augenstein (cde)
W. E. Bell (dh)
P. W. Carlin (bc)
A. J. Desaler (d)
R. G. Fawcett (c)
C. V. Givan (cg)
- G. W. Greene (abdefgh)
E. G. Hagadorn, Jr. (cg)
L. M. Henry (c)
E. Y. Hsu (g)
R. L. Ives (cg)
F. S. Johnson (cd)
S. M. Jones (bdefh)
A. H. Lachenbruch (beefgh)
B. K. Linsley (cg)
C. R. Longwell (abefh)
G. M. MacLeod (bg)
B. V. Marshall (abdhg)
V. E. McKelvey (degh)
M. E. Packard (d)
S. E. Rantz (g)
A. E. True (c)
T. E. Wales, Jr. (g)
C. M. Walter (cg)
PALOS VERDES
ESTATES
W. A. Harrison (a)
R. I. Meeker, Jr. (c)
PASADENA
S. S. Alexander (abedh)
C. R. Allen (bgh)
D. L. Anderson (beh)
P. O. Banks (ef)
Barth (d)
H. Benloff (bh)
C. S. Benson (bdhf)
L. A. Beyer (abedh)
L. H. Brooks (g)
H. S. Brown (cg)
T. J. Chow (cg)
R. F. Clawson (g)
F. R. Cline (cg)
F. C. Dewart (f)
C. H. Dix (abdh)
J. R. Grady (e)
R. J. Greenfield
M. G. Gross, Jr. (dh)
G. Gutenberg (abdefgh)
G. W. Housner (b)
A. C. Ingersoll (cg)
R. H. Jahns (fgh)
J. F. Kennedy (ag)
B. G. Larsen (abch)
F. B. Lavery (cg)
H. A. Lowenstam (ef)
P. B. MacCready, Jr. (cg)
E. McKee (c)
F. C. McMichael (abedh)
R. B. Moran, Jr. (bdh)
B. T. Morris (g)
J. M. Nordquist (abefh)
R. E. Peterson (g)
R. E. Pollak (g)
G. W. Potapenko (ad)
F. Press (abdefh)
W. H. Kempel (c)
C. F. Richter (bh)
R. F. Scott (abcegh)
R. P. Sharp (fg)
E. E. Simmons, Jr. (dg)
E. L. Smith (g)
W. W. Smith (bgh)
T. B. Smith (c)
R. G. Sohlberg (bfh)
R. H. Taylor (g)
V. A. Vannoni (g)
T. Von Karman (ceg)
W. O. Wagner (az)
K. Watson (b)
G. W. Wayland (bdhf)
O. R. Wolf (cd)
F. Zwicky (dgh)
PIEDMONT
R. P. Cook (cg)
R. W. Swainson (bde)
PLAYA DEL REY
W. H. Cook (abgh)
POINT MUGU
B. Richardson (c)
POMONA
V. S. Aronovici (cg)
C. J. Todd (c)
PORTERVILLE
F. A. Strauss (g)
PORT HUENEME
D. E. Well (aegh)
PORTOLO VALLEY
N. H. Stearn (dh)
- RANCHO SANTE FE
G. C. Ewing (ceg)
D. D. Isaacs (de)
RED BLUFF
I. Valov (fh)
REDLANDS
B. Dibble (cg)
E. F. Dibble (cdg)
H. P. Hincley (g)
J. J. Prendergast (g)
RED MOUNTAIN
D. L. Gardner (g)
REDWOOD CITY
F. R. Woodworth (bfg)
C. T. Snyder (g)
J. B. Styles (cd)
RESEDA
M. J. Binder (cg)
W. C. Hoffman (d)
J. T. Pettit (ab)
RICHMOND
R. B. Krome (g)
RIVERSIDE
T. B. Barnidge (c)
H. L. Cresson (g)
J. E. Groom (abdefgh)
B. L. Grover (cg)
L. A. Richards (cgh)
S. J. Richards (g)
L. H. Stoley (cg)
L. V. Wilcox (g)
ROLLING HILLS
A. W. Ladd (d)
SACRAMENTO
C. W. W. Abbott (cg)
E. A. Arnold (ceg)
T. L. Atherton (ag)
H. O. Banks (ceg)
G. Barratt (cg)
R. T. Bean (g)
W. B. Barth (g)
L. R. Beard (cg)
V. Bengal (abg)
E. Brown (g)
G. E. Brown (abedh)
M. W. Brown (cg)
J. I. Burns (cg)
G. R. Carroll (g)
J. W. Dunham (e)
S. F. Ford (g)
W. D. Fugus (bg)
W. I. Gardner (fg)
C. O. Greenwood, Jr.
(abdefgh)
J. M. Haley (cg)
R. L. Hall (cg)
E. C. Hanson (g)
L. K. Hill (cgh)
G. S. Hilton (fg)
M. S. Hogenson (fgh)
I. M. Ingerson (ceg)
J. E. Kelly (g)
D. E. Kienlen (g)
M. Kramsky (g)
C. H. Kromer (bfh)
B. E. Lofgren (ceg)
W. MacRostie (g)
H. L. Magar (aceg)
E. C. Marlavie (g)
C. R. Mayo (g)
C. R. McClure, Jr. (g)
C. A. McCullough (g)
F. C. Mikels (g)
L. R. Mitchell (g)
T. M. Morris, Jr. (ag)
L. A. Mullinix (g)
M. E. Murphy (g)
J. Osoffsky (g)
D. S. Pasir (g)
J. B. Paulson, Jr. (cg)
J. F. Poland (gh)
J. B. Powers (e)
E. P. Price (cdg)
D. Richardson (cg)
R. C. Richter (g)
R. R. Rowe (cg)
R. E. Samples (bdhf)
W. G. Schulz (g)
E. F. Serr, III (cg)
J. W. Shannon (cg)
W. B. Shaw (g)
E. W. Silitch (g)
R. E. Skjel (ce)
- H. M. Stafford (g)
D. S. Stoner (g)
A. C. Swanson (g)
R. O. Thomas (cg)
F. L. Thompson (cg)
K. M. Turner (g)
J. van de Erve (cg)
J. W. Walling (g)
E. P. Warren (g)
C. M. Weber (cg)
R. A. Williams (ag)
H. D. Wilson, Jr. (g)
C. G. Wolfe (cg)
F. R. Wood (g)
H. R. Woodworth (bfg)
J. E. Wright (bcg)
A. L. Zimmerman (cg)
SALINAS
R. B. Cozzens (g)
SAN BERNARDINO
J. A. Batlle (c)
I. W. Graybill (c)
W. P. Rowe (g)
SAN BRUNO
G. B. Marchand (abdefgh)
R. C. Nichols (c)
SAN CLEMENTE
M. Suter (g)
SAN DIEGO
W. Allen, Jr. (adehf)
M. A. Beal (e)
G. L. Bloom (cg)
B. Brooks (fg)
A. L. Brosio (cg)
R. H. Brown (bde)
E. C. Buffington (acfhg)
A. J. Carola (efh)
M. F. Culbertson (ce)
S. Dietz (e)
L. C. Fowler (cg)
R. H. Frische (abdfgh)
J. C. Fry (be)
E. E. Gossard (ce)
H. H. Halstead (c)
E. L. Hamilton (c)
C. T. Johnson (c)
E. C. LaFond (c)
O. S. Lee (e)
M. Little (ceg)
W. K. Lyon (e)
J. J. Marciano (ceg)
F. E. Naugle (cd)
F. Osborn (e)
J. L. Reid, Jr. (e)
G. P. Rigaby (g)
R. W. Rowland (f)
R. Ruch (bde)
G. A. Shumway (ae)
V. Vacquier (abed)
J. F. Wingo (g)
SAN FERNANDO
T. R. Smith (g)
SAN FRANCISCO
B. S. Barnes (cg)
A. G. Bartlett (cg)
C. Bonillas (ceg)
H. W. Burke (cgh)
I. Campbell (efgh)
N. H. Chavasse (c)
R. T. Devine (b)
C. R. Elford (cdg)
C. E. Elmore (cg)
M. A. Garbell (cde)
H. Green (bfg)
R. B. Hall (ah)
D. H. Hargreaves (g)
C. P. Holdredge (bcfg)
J. I. Johnston (ce)
P. Jaramon (f)
J. Kawanoo (g)
O. Kohnlein (g)
E. J. Kellerstrass (c)
W. S. W. Kew (beh)
C. H. Lee (g)
T. J. Maier (abdh)
D. H. McLaughlin (efgh)
R. C. Miller (ceg)
C. R. Murray (g)
A. C. Neumann (ceg)
D. E. Proshet (c)
J. Reber (cg)
R. Rhoades (fgh)
I. J. Silverstone (g)
L. J. Snell (g)

- W. Stava (cg)
W. L. Stephens (g)
T. F. Thompson (bfg)
W. A. Waldorf (bcg)
SAN GABRIEL
A. E. Brington (g)
D. E. Cole (cg)
L. L. Longacre (g)
SAN JOSE
R. C. Briggs (g)
J. T. F. Kuo (abdeg)
S. M. Remington (g)
E. E. Stohsner (ab)
D. L. Traak (a)
SAN LUIS OBISPO
J. L. Merriam (cg)
SAN MARINO
L. Creveling, Jr. (bd)
W. Littlefield (g)
R. W. Spencer (agh)
C. M. Swinney (fh)
K. van der Weg (bfh)
SAN MATEO
G. M. Greve (bdh)
J. W. Higgins (afgh)
H. B. Hutchinson (ce)
H. M. Moses (ag)
I. T. Sanders (ae)
H. S. Wahlen (a)
SAN PABLO
D. D. Pollard (g)
SAN PEDRO
J. G. Holwerda (g)
SAN RAFAEL
R. E. Jentoft, Jr. (ce)
J. A. Smith (bdfg)
SANTA ANA
H. G. Osborne (cg)
M. N. Thompson (cg)
SANTA BARBARA
H. S. Auran, Jr. (abdefgh)
F. E. Bronner (abdefgh)
R. D. Elliott (e)
R. E. Evenson (fg)
J. Kittredge (g)
G. A. Miller (bfg)
K. E. Muir (g)
E. A. Steinhoff (ac)
R. C. Timme (e)
N. R. Williams (bodegh)
SANTA CLARA
E. E. Foster (cg)
L. Gwainey (c)
E. E. Harris (g)
A. I. Mei (b)
D. W. Swayze (cd)
J. A. Weber (bcg)
SANTA MARGARITA
W. Jones (abefg)
SANTA MONICA
J. C. Bose (ae)
D. Deirmendjian (c)
H. K. Kallmann (cd)
R. R. Rapp (c)
E. H. Vestine (bdh)
SANTA PAULA
B. A. Babcock (fg)
W. P. Price, Jr. (g)
SARATOGA
R. D. Westfall (g)
SEPULVEDA
S. Swales (cde)
SIERRA MADRE
P. Baumann (cg)
SODA SPRINGS
J. E. Andre (g)
SONORA
E. W. Brunton (abfh)
SOUTH PASADENA
T. H. Braun (b)
STANFORD
J. M. Bagley (cg)
W. G. Clement (bd)
J. H. Crary (d)
S. N. Davis (cgh)
W. R. Dickinson (aeffh)
L. E. Eber (c)
R. D. Egan (d)
J. B. Fransini (aeg)
R. A. Helliwell (d)
B. H. Hess (abdech)
A. Knopf (fh)
E. B. Knopf (fh)
P. W. Lipman (fh)
L. A. Manning (cd)
R. M. Page (bfgh)
B. Perry (cg)
R. S. Rhoads (bede)
F. S. Riley (g)
J. F. T. Saur, Jr. (ce)
R. L. Smith (d)
J. L. Sonke (bdffh)
G. A. Thompson (h)
T. L. Thompson (bcegh)
K. J. Vennard (g)
O. G. Villard, Jr. (d)
P. O. Wolf (ceg)
STOCKTON
W. F. Fuller (eg)
SUNNYVALE
M. Hertzberg (d)
TARZANA
J. W. Rolston (ceg)
TEMPLE CITY
R. C. Crooke (e)
TORRANCE
H. E. Eubank (cf)
TUJUNGA
G. A. Brown (g)
VAN NUYS
J. E. Slosson (cg)
VENTURA
T. L. Bailey (abefh)
A. B. Foote (bde)
A. I. Fumal (eg)
R. R. Horning (bdef)
R. H. Jamison (g)
D. I. Kuchenreuther (e)
T. M. Morgan (g)
VISTA
L. G. Boyd (bcag)
WALNUT CREEK
A. R. McBirney (f)
H. C. Sebastian (c)
T. S. Vanasek (bceffh)
WATSONVILLE
C. S. Jarvis (egh)
WEST COVINA
R. L. Kolpack (efg)
R. G. Thomas (defgh)
WESTMINSTER
H. H. Finnell (cg)
WEST SACRAMENTO
A. J. Brown (bcg)
WHITTIER
J. H. Brown (g)
F. A. Gets (abdefgh)
C. G. Gunnerson (eg)
M. L. Hill (b)
H. H. Marx (c)
F. E. Moots (gh)
J. F. Riccio (abdeg)
W. J. Wood (cg)
WOODSIDE
J. T. Duane (abd)
CANAL ZONE
BALBOA
H. W. Feldt (acg)
E. Kanx (abeg)
E. H. Marx (c)
BALBOA HEIGHTS
R. H. Stewart (eh)
CURUNDU
J. A. Kozlosky (ad)
FT. CLAYTON
R. F. Geller, Jr. (rad)
COLORADO
ALAMOSA
R. L. Smith (b)
ALLENSPARK
E. W. Lane (cg)
ARVADA
W. P. Fulton (cg)
D. J. Gable (abcdefgh)
J. R. Johler (acd)
S. P. Kaniray (bfh)
I. S. McQueen (g)
C. R. Miller (g)
AURORA
D. C. Cooney (cdefgh)
BOULDER
R. F. Barkhaus (ceg)
B. R. Bean (c)
F. R. Beck (abdefgh)
B. W. Beebe (bch)
W. C. Bradley (cg)
W. B. Chadwick (acdh)
R. Cohen (d)
W. S. Cooper (g)
B. F. Curtis (cgh)
R. M. Davis, Jr. (d)
J. E. Flack (g)
L. D. French, Jr. (bcfg)
G. A. Gamow (adh)
D. M. Gates (abdefgh)
N. Gautier, Jr. (d)
W. D. George (a)
S. C. Gladden (cd)
B. Haurwitz (cde)
D. D. Horn (c)
W. D. Hough (d)
H. H. Howe (d)
A. G. Jean, Jr. (cd)
R. W. Koecht (d)
H. I. Leighton (d)
V. J. Lincoln (d)
P. D. Lowman (bfh)
N. J. MacDonald (e)
J. M. Malville (d)
S. Matsushita (cdf)
I. W. McCauley (cd)
R. E. McDuffie (cd)
J. S. Moore (e)
C. G. Mull (abefh)
K. A. Norton (acd)
M. M. Ostrow (d)
W. O. Roberts (cd)
A. H. Shapley (bdh)
R. J. Slutz (d)
E. E. Smith, Jr. (cd)
W. L. Taylor (cd)
M. C. Thompson, Jr. (abch)
E. E. Wahlstrom (fh)
J. R. Walt (d)
A. W. Warner (fh)
M. L. White (d)
K. R. Wright (g)
O. E. Youngdahl (d)
BRIGHTON
L. O. Grant (c)
COLORADO SPRINGS
C. E. Everson (c)
L. T. Grose (fh)
R. K. Salaman (d)
DENVER
T. P. Ahrens (cfgh)
G. G. Anderman (befgh)
R. H. Angerer (b)
J. H. Baily (g)
B. A. Barker (fg)
W. A. Bectem (g)
G. C. Bennet (ceg)
F. A. F. Berry (be)
W. M. Borland (acg)
E. R. Brumbaugh (b)
R. S. Cannon, Jr. (efh)
G. H. Chase (gh)
J. R. Cooper (abfh)
W. W. Crow (c)
D. L. Daniels (bg)
M. E. Denison, Jr. (abdefgh)
W. H. Diment (abdh)
A. M. DiRenzo (bdh)
C. E. Dobbin (befh)
J. P. Dolan (bdgh)
G. R. Downs (bf)
F. C. Frischknecht (abdgh)
W. U. Garstka (cg)
J. Gilluly (abefgh)
R. E. Glower (bg)
W. R. Griffiths (fh)
R. L. Griggs (fg)
R. F. Hadley (cg)
G. E. Hansen (g)
G. E. Harbeck, Jr. (cg)
R. M. Hazlewood (b)
J. D. Hem (g)
J. C. Hollister (b)
R. C. Holmer (bd)
I. E. Houk (bcg)
R. H. Howe (bdefh)
K. H. Howell, Jr. (aeffh)
W. E. Ireland (g)
W. H. Irwin (fgh)
S. K. Jackson (cg)
A. I. Johnson (g)
J. F. Johnson (g)
O. Kalmus (g)
G. V. Keller (d)
G. E. Kennedy (cg)
E. C. King (g)
N. J. King (g)
G. A. Knapp (abd)
K. H. Koenen (abdfh)
I. P. Krick (c)
H. Larson (cg)
B. F. Leonard, III (dfh)
S. W. Lohman (g)
G. H. Lynn (ac)
C. R. Maierhofer (ag)
H. E. Malde (gh)
G. B. Mangan (bdh)
T. G. McLaughlin (fgh)
K. R. Melin (g)
M. Merriam (befh)
J. S. Meyers (cg)
A. E. Miesch (fh)
A. A. Miller (g)
V. C. Miller (g)
S. N. Mitchell (bg)
D. E. Muir (cg)
F. W. Olson (fh)
F. W. Osterwald (fh)
L. C. Pakiser, Jr. (abdfh)
H. V. Peterson (bcg)
C. A. Phillips, Jr. (d)
H. Porter, Jr. (abch)
H. A. Powers (f)
H. S. Riesbol (cg)
C. R. Roach (befgh)
E. Rose (bcg)
W. E. Schalkjager (ab)
R. C. Scott (fg)
F. R. Shawe (fh)
G. L. Snyder (befh)
R. E. Sprinkle, Jr. (gh)
J. D. Strobel, Jr. (abdfgh)
R. TenEyck (bh)
R. T. Tipton (cg)
B. C. Underhill (bh)
M. C. Van Leven (g)
D. J. Varnes (fh)
W. W. Vaughn (bfh)
W. W. Wheeler (g)
R. E. Wilcox (dfig)
T. C. Wilson (abch)
DURANGO
W. F. Crabtree (bdfig)
J. D. Divelbiss (bd)
B. F. Latch (abfh)
W. J. Osterhoudt (bcg)
K. G. Smith (bdg)
W. E. Zabinski (bg)
ENGLEWOOD
H. L. Hill (cgh)
J. M. Lara (g)
ENT AFB
R. C. Bundgaard (c)
EVERGREEN
J. C. Antweiler (efgh)
J. W. Stevenson (c)
FT. COLLINS
M. L. Alberson (cg)
M. W. Bittinger (cg)
H. C. Fletcher (fgh)
B. C. Goodell (cg)
D. V. Harris (fgh)
W. L. Haushild (g)
H. Holt (fh)
M. D. Hoover (cg)
L. G. King (cg)
J. L. Kovner (cg)
W. N. Laval (fh)

- H. K. Liu (g)
 I. D. Love (g)
 D. E. Maasland (acg)
 A. E. Miller (gh)
 R. W. Nelson (cg)
 E. V. Richardson (g)
 R. A. Schleussener (cg)
 E. F. Schulz (cg)
 D. B. Simons (g)
- GOLDEN**
 J. J. Bradley (b)
 D. F. Coolbaugh (abdh)
 R. H. DeVeto (cg)
 T. L. Finnell (abfgh)
 R. B. Hofmann (bdh)
 T. U. Huang (bdh)
 F. E. Moore (fh)
 P. A. Rodgers (d)
 S. S. Shannan, Jr. (cefhg)
 J. W. Vanderwilt (fh)
- GRAND JUNCTION**
 H. E. Brown (g)
 W. F. Burke (bdf)
 R. C. Cutler (abefgh)
 P. Donnerstag (abdfh)
 R. F. Drouillard (fh)
 R. D. Goodrich (g)
 R. L. Kinnaman (abiefh)
 Y. A. Means, Jr. (cg)
 F. C. Merriell (cg)
 E. A. Noble (fgh)
 J. H. Scott (bd)
- GUNNISON**
 H. K. Rouse (g)
 F. M. Byers, Jr. (f)
 B. G. Dean (bfgh)
 G. E. Koberg (g)
 T. L. Lovering (defgh)
 D. G. Wyant (dfh)
- LITTLETON**
 B. H. Evans (abcd)
 P. M. Konkel
 R. D. Russell (abdefgh)
 L. Strong (c)
- LONGMONT**
 L. E. Arnold, Jr. (b)
- STERLING**
 R. Monahan (b)
- WHEATRIDGE**
 F. C. Ames (g)
 F. R. Anzman (df)
 F. A. Bertle (g)
 H. P. Eisenhuth (g)
 S. W. Stewart (bd)
- CONNECTICUT**
- BRIDGEPORT**
 F. L. Panuzio (acgh)
- CANAAN**
 W. D. Lambert (abeh)
- DANBURY**
 A. A. Brant (bdgha)
 C. L. Elliot (ad)
 J. B. Johnson, Jr. (adh)
- DARIEN**
 W. Clark, Jr. (c)
- FAIRFIELD**
 J. F. Devane (b)
- HAMDEN**
 D. B. Doan (eh)
- HARTFORD**
 W. R. Hamon (c)
 T. F. Malone (c)
 C. M. Saville (cg)
- MANCHESTER**
 L. P. Johnson, Jr. (g)
- MIDDLETOWN**
 R. V. Cushman (fgh)
 J. W. Peoples (fh)
 C. W. Spencer (efg)
- NEW CANAAN**
 E. H. Boissonnas (bd)
- NEW HAVEN**
 A. M. Bateman (acfg)
 G. Breit (d)
 D. Brouwer (a)
 C. O. Dunbar (c)
 R. F. Flint (ceg)
 E. C. Hansen (bfh)
- F. A. Hills (bfh)
 E. D. Hoffleit (cd)
 M. L. Jensen (afgh)
 S. C. Kimball (d)
 L. B. Platt (h)
 S. C. Porter (cegh)
 G. A. Riley (c)
 G. Robley (cg)
 J. E. Sanders (efh)
 P. B. Sears (abdefgh)
 H. R. Smith (d)
 K. K. Turckian (cf)
 G. K. Voigt (g)
 H. A. Wadell (eg)
 P. B. R. N. Wallis (acef)
 M. S. Walton, Jr. (bdefh)
- NORWALK**
 C. K. Tarnish (acegh)
- NORWICH**
 L. F. Tringe (c)
- ORANGE**
 L. C. Graton (fh)
- POMFRET**
 R. O'Brien (cd)
- RIDGEFIELD**
 B. G. Doll (d)
- RIVERSIDE**
 T. J. Simmons (g)
 W. S. Sullivan (abdefgh)
- STAMFORD**
 J. G. Bryan (c)
- STORRS**
 J. M. Aitken (fh)
 J. B. Lucke (beh)
 K. C. Tippy (acgh)
 M. N. Vanderlip, (ag)
- TRIFURVILLE**
 J. H. Thomas (c)
- TRUMBULL**
 A. Eesedy, Jr. (e)
 O. Colbert (abde)
- WEST HARTFORD**
 B. L. Bigwood (g)
- WESTPORT**
 L. G. Weeks (abdefgh)
 E. E. Wheeler (g)
- WETHERSFIELD**
 R. L. Carnahan (cg)
- WINDSOR LOCKS**
 K. O. Hackett (g)
 D. E. Hopkins, Jr. (g)
 L. R. Mahar (c)
- DELAWARE**
- MAGNOLIA**
 V. L. Pearson, Jr. (eg)
- NEWARK**
 A. C. Barlow (g)
 P. Bock (cg)
 D. H. Boggess (g)
 G. F. Collins (ceg)
 E. A. Groot (cg)
 D. E. Outlaw (g)
 W. C. Rasmussen (bcg)
- WILMINGTON**
 J. L. Gillson (fg)
- DISTRICT OF COLUMBIA**
- C. G. Abbot (c)
 P. H. Abelson (aef)
 L. B. Aldrich (cd)
 L. T. Aldrich (f)
 A. S. Allen (bdgh)
 G. P. Allen (cdg)
 C. A. Anderson (fh)
 R. K. Anderson (c)
 R. V. Anderson (cd)
 G. E. Andreasen (cg)
 A. W. Andrews (d)
 S. Axenfield (de)
 W. Back (g)
 D. K. Bailey (acde)
 L. F. Bailey (b)
 A. A. Baker (fgh)
 E. H. Balak (a)
 J. R. Balsley (dh)
 F. H. Barry (a)
 W. N. Bascom (c)
 C. C. Bates (bce)
 S. S. Bauer (c)
 H. Bay (ae)
- J. M. Beall (c)
 P. C. Benedict (g)
 R. R. Bennett (d)
 W. H. Bennett (d)
 W. E. Benson (cefhg)
 M. C. Berdan (g)
 S. C. Berkman (c)
 S. F. Bershad (efh)
 R. R. Bodle (bh)
 L. D. Bonham (h)
 F. R. Boyd, Jr. (f)
 N. F. Braaten (a)
 J. N. Bradley (cg)
 L. M. Branscomb (d)
 J. T. Breen (c)
 J. X. Brennan (de)
 M. Brenner (abdefgh)
 C. L. Bretschneider (c)
 G. W. Brier (cg)
 L. J. Briggs (acef)
 J. H. Brittain (ae)
 R. W. Bromery (ad)
 E. Bromley, Jr. (acd)
 D. W. Bronk
 A. Brown (c)
 G. P. Brown (fg)
 R. H. Brown (g)
 P. B. Buntin (abdefgh)
 P. E. Byerly (bdeh)
 B. C. Byrnes (d)
 J. M. Caldwell (eg)
 A. C. Campbell (a)
 J. B. Campbell (abd)
 J. S. Carder (bdfh)
 W. L. Carleton (g)
 H. H. Carter (ce)
 G. D. Cartwright (c)
 F. Chaves (fh)
 A. Chubb (d)
 S. P. Clark, Jr. (dfh)
 C. H. Cline (ce)
 A. L. Cochran (g)
 C. W. Cochran (c)
 P. M. Cohen (a)
 O. Colbert (abde)
 W. D. Collins (g)
 H. J. Coolidge (abdefgh)
 G. S. Corchery (fg)
 A. Cornaciu (abde)
 E. L. Corton (c)
 G. Corwin (fh)
 B. K. Couper (e)
 A. P. Crary (abdh)
 K. O. Crosby (h)
 L. F. Crowe (c)
 G. W. Cry (c)
 F. L. Culley (a)
 R. N. Culnan (ceg)
 J. A. da Costa (g)
 T. Dalrymple (cg)
 H. V. Darling (g)
 L. R. Davis (d)
 T. M. Davis (d)
 D. R. Dawdy (g)
 P. S. De Leonibus (ce)
 J. H. Dellinger (d)
 J. E. Dinger (bde)
 P. F. Disney (e)
 W. S. Dix (a)
 W. W. Doxey, Jr. (a)
 W. W. Doyle (g)
 J. A. Duerksen (a)
 G. J. Dufek (e)
 A. van V. Dunn (g)
 T. E. Eakin (g)
 R. A. Earle (acd)
 R. O. Eaton (eg)
 R. H. Elder (e)
 G. E. Erickson (f)
 G. H. Espenshade (fh)
 W. B. Eyestone (cg)
 E. B. Fabiano (d)
 F. S. Farquhar (e)
 H. Faul (dfh)
 A. T. Fernald (c)
 A. G. Fiedler (g)
 D. D. Fisher (bdfh)
 F. L. Flynn (cg)
 P. D. Foote (bgh)
 E. S. Forbush (dh)
 H. L. Foster (che)
 F. N. Frenkel (ce)
 H. Friedman (d)
 I. Friedman (ce)
 S. Fritz (c)
 C. L. Garner (abde)
- R. D. Gaul (ce)
 General Dynamics Corp.
 V. D. George (a)
 J. W. Gettemy (cd)
 C. S. Gilman (cg)
 R. E. Glacken (ce)
 J. J. Glass (f)
 M. I. Goldman (eg)
 R. Y. Grant (fg)
 W. Greig (gh)
 M. S. Griffin (g)
 P. W. Guild (fh)
 R. B. Guillou (fg)
 R. Gunn (edfh)
 H. P. Guy (cg)
 I. T. Hack (ce)
 N. R. Hagen (c)
 W. H. Haggard (c)
 J. V. Hall, Jr. (eg)
 G. H. Harding (a)
 D. L. Harris (ced)
 M. F. Harris (c)
 P. P. Harrison (c)
 C. C. Harrold (g)
 L. P. Hart (abh)
 J. V. Hastings (bd)
 W. W. Hastings (g)
 J. H. Hawley (c)
 F. Hellweg (abd)
 H. W. Hempel (ce)
 R. G. Henderson (ad)
 E. L. Hendricks (g)
 F. J. Heppner (bdch)
 H. Herberberger (gh)
 D. M. Herschfeld (cg)
 F. G. Hertz (a)
 F. J. Heyden (a)
 W. E. Hiatt (cg)
 E. Hinton (g)
 C. W. Hoffer (abh)
 A. E. Holdstock (eh)
 G. W. Holmes (g)
 B. G. Holzman (cg)
 A. J. Hookins (ah)
 C. R. Hosler (c)
 W. G. Hoyt (cg)
 J. W. Huddle (eg)
 M. N. Hunter (c)
 F. H. Insley (fh)
 C. F. Izzard (g)
 J. E. Jackson (d)
 M. V. Jamison (acde)
 R. Jastrow (d)
 H. Jastrow (df)
 H. R. Joesting (dfh)
 A. Johnson (g)
 C. Y. Johnson (d)
 D. S. Johnson (c)
 M. A. Johnson (cg)
 P. M. Johnston (gh)
 B. E. Jones (bdg)
 T. O. Jones (abdefgh)
 G. F. Jordan (e)
 J. W. Joyce (bdh)
 L. V. Judson (ab)
 O. W. Kabelac (g)
 M. F. Kane (ab)
 M. Katrin (cd)
 H. P. Kaufman (a)
 O. Kaufman (beh)
 W. M. Kaula (a)
 H. W. Keith, Jr. (abe)
 R. W. Kennard (c)
 R. S. Kershner (d)
 G. H. Keulegan (g)
 E. R. King (bdh)
 H. B. Kinnison (g)
 W. H. Klein (c)
 D. W. Knoll (ceg)
 G. M. Kralh (cg)
 R. F. Kresge (cg)
 I. E. Kupperman, Jr. (d)
 F. Lacny (f)
 P. E. LaMoreaux (g)
 I. F. Lander (b)
 H. E. Landberg (beh)
 W. B. Lang (egh)
 W. B. Langbein (abdefgh)
 R. H. Langford (g)
 W. S. Lanterman (c)
 E. S. Larsen, Jr. (f)
 R. W. Lenhard, Jr. (c)
 R. B. Leopold (ce)
 V. Lewickie (acd)
 G. G. Lill (abdefgh)
 W. H. Littlewood (e)

GEOGRAPHICAL LIST OF MEMBERS

101

- G. A. Liano (g)
K. E. Lohman (efh)
W. D. Long (f)
S. K. Love (g)
J. Lyman (e)
K. A. MacKichan (g)
T. Maddock, Jr. (g)
G. A. Maki, Jr. (h)
S. Mandarich (ce)
G. E. Manger (aeifgh)
W. Markowitz (a)
W. Marks (ce)
W. N. Martin (a)
A. C. Mason (g)
A. E. Maxwell (e)
P. A. Mazicka (e)
A. L. McCahan (adeg)
C. C. McDonald (g)
R. J. McGough (ceg)
C. L. McGuinness (g)
E. T. McKnight (f)
M. C. McLean (e)
R. K. Meade (a)
G. Medina (ce)
E. P. Meisburger (eh)
W. P. Mellen (e)
H. E. Merwin (ef)
J. L. Meuschke (d)
H. A. Meyerhoff (bfgh)
D. L. Mills (a)
J. A. Mirabito (ace)
S. S. Mitchell (e)
E. V. Mohl (ade)
G. L. Molo (e)
A. R. Mooney (befg)
R. W. Moore (bdg)
T. S. Moorman, Jr. (e)
H. F. Morey (g)
V. S. Murino (ceg)
L. M. Murphy (befh)
W. Mussetter (a)
J. Namias (a)
K. B. Neuman (abdh)
F. Newhall (cg)
D. B. Newlin (a)
D. R. Nichols (fgh)
G. O. Nisel (ad)
T. B. Nolan (fh)
S. J. Odend'hal (ah)
H. Odishaw (cd)
H. O. Orosky (g)
C. E. O'Hare (ce)
J. M. Okada (cd)
Y. A. O'Keefe (a)
H. W. Oliver (abdeh)
H. Orlin (a)
F. Ostapoff (ce)
W. F. Outerbridge (f)
B. L. Page (a)
R. M. Page (c)
J. L. H. Paulhus (e)
C. G. Paulsen (g)
M. T. Paulson (ae)
A. Peckham (g)
A. D. Peterson (bdg)
B. J. Peterson (g)
G. Phair (fh)
C. Pierce (ae)
C. S. Pigott (ef)
C. B. Pletcher (cg)
A. C. Poling (a)
D. C. Ports (d)
W. D. Potter (g)
P. H. Putmins (cg)
M. C. Rabbitt (bfh)
C. E. Ramser (g)
H. S. Rappleye (a)
L. L. Ray (cg)
E. W. Reed (g)
J. C. Reed (f)
F. W. Reichelderfer (e)
D. A. Rice (a)
A. F. Richards (ae)
M. Rigny (ce)
J. E. Rittenburg (af)
G. Rivera-Aponte (ad)
C. Robbins (f)
E. B. Roberts (abde)
F. W. Roedder (f)
F. Ronne (abdefgh)
C. S. Ross (f)
C. W. Ross (e)
W. W. Ruber (efgh)
M. J. Rubin (c)
L. H. Rumbaugh (bdeh)
S. Rutenberg (d)
- T. V. Ryan (e)
P. St. Amand (abdh)
W. C. Sands (e)
T. Saville, Jr. (e)
A. N. Sayre (g)
T. M. Schad (g)
F. J. Schaurer (f)
M. H. Schefer (e)
P. L. Schereschewsky (cd)
G. F. Schilling (cd)
F. G. Schlicht (fh)
R. W. Schloemer (cg)
E. Schmid (a)
R. G. Schmidt (f)
W. L. Schmitt (e)
S. L. Schmitt (ceg)
A. H. Schooley (ce)
P. Schureman (e)
K. W. Seaton (d)
P. E. Seelinger (cg)
A. L. Shalowitz (e)
J. Shen (gh)
J. Sherrod (c)
I. I. Shneiderov (bd)
W. Shofnes (ce)
M. Siegrist (befh)
R. S. Sigafos (g)
L. G. Simmons (a)
F. D. Sisler (e)
J. B. Small (a)
J. W. Smith (bde)
V. B. Smith (abg)
W. E. Smith (abdefgh)
V. P. Sokoloff (g)
J. L. Speert (ag)
H. C. Spicer (bdhf)
J. T. Stark (befh)
L. A. Starke (ce)
R. B. Starr (e)
J. L. Stearn (a)
H. B. Steinbach
J. L. Stempson (c)
J. Stern
H. B. Stewart, Jr. (e)
M. J. Stoller (acd)
V. T. Stringfield (g)
I. J. Sweet (ce)
B. Swenson (ceg)
C. Symms, Jr. (a)
J. F. Tatom (ce)
E. A. Taylor (a)
C. M. Tchen (bedefg)
L. L. Thatcher (eg)
T. P. Thayer (fh)
H. G. Thomasson (eg)
F. H. Thompson (cg)
E. C. Thompson (c)
G. R. Tilton (f)
J. C. Tison, Jr. (a)
L. W. Tourville (c)
R. Touney (cd)
J. W. Townsend, Jr. (ac)
J. I. Tracey, Jr. (efh)
M. A. Tuve (d)
B. Van Mater (abdefgh)
P. W. van Straten (c)
E. M. Vernon (e)
R. B. Vice (g)
H. H. Waesche (bf)
L. R. Walke (a)
S. J. Ware (cg)
L. F. Warrick (g)
C. B. Watts (a)
M. W. Watts (cg)
T. J. Wehe (ceg)
L. L. Weiss (cg)
F. G. Wells (fgh)
H. W. Wells (cd)
D. E. Westbrook (a)
W. S. Weyant (c)
F. D. White (ce)
C. A. Whitten (e)
A. H. Williams (g)
E. J. Williams, Jr. (e)
J. W. Winchester (ce)
W. I. Wittmann (ce)
W. E. Wrather (acefg)
H. S. Yerdjirich (g)
H. S. Yoder, Jr. (cef)
G. A. Young (d)
B. D. Zetler (e)
- DAYTONA BEACH
C. St. Parker (c)
DELAND
B. E. Warden (ad)
EAU GALIE
A. R. Beach (d)
EGLIN A.F.B.
H. W. Leaf (abdefgh)
FORT LAUDERDALE
W. D. Mason (cg)
A. W. Saarinen, Jr. (g)
J. C. Stephens (g)
H. T. Stetson (abdeh)
FT. PIERCE
O. H. Gish (cdfh)
FT. WALTON BEACH
P. M. Fitzpatrick (de)
GAINESVILLE
S. S. Ballard (df)
J. I. G. Benghecha (g)
P. M. Bruun (e)
K. D. Butson (cg)
W. E. Clark (g)
C. G. Edson (cg)
M. H. Latour (cd)
W. H. Pierson (c)
T. Saville (ceg)
GULF BREEZE
J. T. Barracough (g)
T. L. Lowery (cg)
JACKSONVILLE
L. E. Davis (bdif)
E. W. Eden, Jr. (g)
N. Enge (g)
L. A. Farrer (cg)
T. E. Haussner (ceg)
E. H. Miller (g)
W. N. Moreland (cg)
C. L. Nowlin (g)
LAKELAND
F. W. Meyer (bgh)
H. G. Stewart, Jr. (g)
W. S. Wetterhall (beg)
LARGO
H. S. Shaw (acde)
LYNN HAVEN
K. L. Sherman (cdh)
MELBOURNE
C. R. Burrows (cd)
W. R. Drake (bde)
MIAMI
L. F. Conover (h)
G. E. Dunn (ce)
H. Klein (g)
F. A. Kohout (g)
S. Maasip (b)
F. G. W. Smith (e)
J. O. Sneed (cd)
P. Sollenberger (a)
MIAMI SPRINGS
D. H. Gould (c)
W. C. McGeehe (ce)
MOUNT DORA
C. L. Schroll (befh)
OCALA
C. G. Menke (g)
OPA LOCKA
M. H. Gilmore (bdh)
ORLANDO
J. H. Fyter (adfh)
E. J. Parkin (ac)
B. J. Sherry (c)
W. R. Stevens (c)
PANAMA CITY
G. B. Austin, Jr. (e)
C. B. Dowling (e)
E. A. Hogge (d)
C. H. Holm (e)
F. C. W. Olson (e)
W. H. Tolbert (ag)
R. G. Vick (bc)
E. A. Wilbanks (cd)
PATRICK AFB
G. C. Quigley (ede)
PENSACOLA
W. E. Moore (eh)
ST. AUGUSTINE
B. J. Bernes (abdeg)
- ST. PETERSBURG
E. S. Collings (g)
SARASOTA
J. B. Adams (ef)
T. E. Stewart (d)
TALLAHASSEE
S. E. Asplund (c)
W. A. Baum (ceg)
J. Bentley (a)
R. J. Berkley (bd)
D. W. Brown (cg)
H. H. Cooper, Jr. (g)
R. A. Craig (ede)
R. C. Foster (fg)
T. A. Gleeson (c)
D. S. Gorsline (ef)
S. L. Hess (c)
T. Ichye (ceg)
C. L. Jordan (c)
N. E. LaSeur (e)
M. I. Rorabaugh (g)
W. F. Tanner (abefg)
R. O. Vernon (abefg)
N. E. Weisbord (acefg)
TAMPA
R. L. Leep, Jr. (e)
VIRGINIA KEY
F. F. Kocry (efh)
WEST PALM BEACH
O. O. Fickelstein (acg)
R. C. Gentry (c)
H. C. Gibson, Jr. (ce)
GEORGIA
ALBANY
S. D. Owen (a)
F. B. Schnitzer (a)
G. B. Woodring (a)
AMERICUS
J. L. Ferguson (e)
ATLANTA
H. Clark (g)
J. A. Shear (ce)
ATLANTA
H. W. Adams (cg)
B. M. Hall, Jr. (cg)
W. E. Hardy (c)
D. B. Jones (g)
J. G. Lester (fh)
C. P. Lindner (g)
C. M. Slaughter (g)
H. W. Straley, III (abdefgh)
M. T. Thomson (g)
H. J. Tracy (g)
D. E. Whelan (abdefgh)
W. T. Wilson (cg)
AUGUSTA
W. E. Fox (cg)
H. Raynes (cg)
BRUNSWICK
R. L. Wait (g)
DILLARD
L. W. Swift, Jr. (cg)
DOBBINS AFB
L. H. Hutchinson (c)
EMORY UNIVERSITY
W. H. Grant (f)
FOREST PARK
L. P. Gibbon (a)
MACON
W. H. Miller (c)
HAPEVILLE
D. W. Miller (c)
SAVANNAH
H. B. Counts (g)
GUAM
S. Valenciano (g)
HAWAII
EWA, OAHU
G. Haraden (abde)
HALEIWA, OAHU
A. A. White (abdefgh)
HANAIE
J. B. Cox (g)
HAWAIIAN NATIONAL
PARK
W. U. Ault (f)

FLORIDA

CORAL GABLES
H. W. Hiser (acg)
V. G. Sleight (befh)

J. P. Eaton (bf)
C. K. Wentworth (eg)
HONOLULU
T. S. Austin (e)
L. D. Baver (g)
D. L. Blumenstock (e)
H. W. Brodie (c)
R. B. Campbell (g)
J. Chu (cg)
R. K. Chun (abg)
D. C. Cox (fgh)
R. H. Cox (g)
D. A. Davis (gh)
P. C. Ekern, Jr. (cg)
G. Y. Ewart (g)
R. P. Hall (abcdeh)
L. H. Herschler (g)
G. T. Hirashima (cg)
H. S. Leak (g)
G. A. Macdonald (bfh)
J. W. McGary (ceg)
F. Mink (efg)
E. M. Norum (g)
H. S. Palmer (bfg)
E. G. Pearson (g)
W. Powell (g)
S. Price (ce)
M. O. Rinkel (ce)
G. R. Seckel (eg)
K. I. Takasaki (cg)
B. E. van't Woudt (g)
F. N. Visser (g)
H. A. Wadsworth (g)
G. Yamanaga (g)
KAILUA, OAHU
R. R. Grisswood (g)
H. D. Parry (c)
PAIA, MAUI
R. H. Taylor (cg)
PUNENE, MAUI
J. M. Lapa (cg)

IDAHO

BOISE
H. A. Allen (befgh)
K. E. Anderson (fgh)
D. D. Hafterson (cg)
G. W. Kirkpatrick (g)
D. M. Little (c)
M. J. Mundorff (cgh)
M. W. Nelson (g)
J. L. Underwood (g)
W. R. Wagner (fh)
MOSCOW
G. L. Bloomsburg (g)
G. L. Corey (cg)
D. W. Hendricks (g)
R. W. Jones (g)
J. V. Jordan (g)
C. C. Lomax, Jr. (acg)
E. L. Neff (g)
C. C. Warnick (g)
MOUNTAIN HOME AFB
L. R. Matthews (ace)
NEW MEADOWS
L. V. Armacost (g)
POCATELLO
D. W. Brown (bfh)
A. Isotoff (f)
S. R. Meadows (acdg)

ILLINOIS

BARRINGTON
J. C. Bellamy (c)
BARRY
M. H. O'Leary (d)
BATAVIA
J. Bruin (g)
BELLEVEILLE
N. B. Kastler (ae)
P. M. Schwimmer (ae)
CARBONDALE
S. E. Harris, Jr. (eg)
CENTRALIA
J. L. Lester (h)
CHAMPAIGN
W. S. Daniels (g)
J. J. Doland (g)
M. M. Hopkins, Jr. (c)
F. A. Huff (c)
L. A. Joos (ceg)
W. D. Mitchell (g)

W. J. Roberts (cg)
G. E. Stout (cg)
W. C. Walton (g)
CHANUTE AFB
T. C. Jafferis (c)
CHICAGO
V. K. Abiordepey (bdef)
V. B. Ackerman (cdg)
E. W. Barrett (c)
G. B. Berk (cg)
H. A. Brown (ce)
H. R. Byers (ceg)
I. W. Dixon (g)
D. R. Fitzgerald (cd)
T. Fujita (c)
Y. R. Fuka (c)
D. Fultz (c)
L. P. Greenland (f)
J. H. Halvorsen (c)
H. R. Heydegger (f)
A. Hoffer (defh)
J. C. Jamieson (bdh)
R. E. Kaylor (c)
R. F. Kilmartin (bcg)
V. A. Koelzer (cg)
K. S. Kosik (acg)
G. W. Laurie, Jr. (g)
L. E. Miller (abcdeh)
Motorola, Inc.
P. H. Mueller, Jr. (cd)
M. Oshima (df)
C. A. Nannerly (b)
W. H. Newhouse (f)
C. W. Newton (c)
J. A. I. Olowu (bh)
M. Oshima (df)
M. Paul (c)
S. Pettersen (ce)
J. M. Pierrard (ce)
G. W. Platzman (c)
G. W. Revell (g)
H. Richi (c)
J. C. Ringenoldus (cg)
J. Rosinski (cf)
R. J. Roth (c)
K. R. Schmitt (b)
A. I. Simpson (d)
R. H. Simpson (c)
F. A. Wagner (c)
G. A. Wason (abdg)
H. W. Weller, Jr.
G. F. White (g)
J. F. Wiss (cg)
R. Wright (fh)
COLLINSVILLE
E. J. Hauer, Jr. (a)
CRYSTAL LAKE
H. A. Slack (f)
DE KALB
L. T. Caldwell (acefh)
R. L. Parson (acg)
E. B. Shykind (g)
EAST ST. LOUIS
V. G. Gregson, Jr. (dh)
R. E. Huber (g)
G. H. Stadelck (g)
EFFINGHAM
H. H. Luttrell (bf)
ELM GROVE VILLAGE
W. J. Hannan (abcd)
EL PASO
R. K. Morse (bg)
EVANSTON
A. Assur (ceg)
R. B. Banks (cg)
E. E. Bergman (dh)
E. C. Dapples (cg)
J. D. Glaeser (efgh)
D. S. Hamilton (cg)
A. L. Howland (f)
J. E. Jenkins (b)
W. C. Krumbeln (efg)
L. H. Nobles (gh)
J. O. Osterberg (bg)
E. E. Pratt (cg)
L. L. Sloos (eh)
E. H. T. Whitten (fh)
FLOSSMOOR
D. J. Brumley (g)
GLENVIEW
R. W. Gerdell (cg)

HINSDALE
P. E. Wasko (c)
HOMEWOOD
M. V. Woodland (cf)
LaGRANGE
P. J. Lucey (acg)
LEBANON
H. H. Appleman (cd)
R. D. Fletcher (ceg)
W. C. Jacobs (ceg)
LEMONT
H. Moses (c)
LIBERTYVILLE
R. Benet (abg)
MELROSE PARK
D. S. H. Louie (g)
E. H. Martin (c)
MOLINE
L. A. Carlson (g)
W. Dick (cg)
MT. CARMEL
C. S. Sharp (a)
MT. VERNON
E. J. Warren (bd)
NORTHBROOK
B. L. Hansen (cg)
NORTH CHICAGO
E. H. Volwiler
O'FALLON
W. A. Jenner (cg)
OTTAWA
H. Y. Fang (bg)
PAXTON
H. W. Schwartz (c)
PEORIA
R. H. Harmsen (g)
D. H. Schnepfer (bg)
RANTOUL
J. E. Beckus (ed)
RIVERSIDE
R. R. Brahm, Jr. (c)
ROLLING MEADOWS
K. J. Zentner, Jr. (g)
ST. JOSEPH
R. H. Offenstien (f)
SCOTT AFB
N. L. Peterson (c)
SKOKIE
J. R. Murray (c)
D. W. Trettel (c)
SPRINGFIELD
T. B. Casey (g)
L. C. Christensen (c)
R. F. Spanaki (eg)
STREATOR
C. N. Johnston (g)
URBANA
W. C. Ackerman (cg)
R. E. Atten (g)
A. H. Bell (dh)
E. P. Bialecke (d)
L. Boersma (g)
W. K. Boggs (g)
W. F. Bradley (fh)
M. Buhle (dg)
V. T. Chow (g)
D. U. Deere (cg)
C. Frye (g)
D. L. Graf (cf)
D. M. Gray (g)
J. C. Guillou (g)
J. E. Hackett (g)
R. W. Hawley (cg)
P. W. Hughes (g)
E. C. Jordan (cd)
H. M. Karara (a)
S. R. Keim (egh)
A. Klute (g)
F. L. Kowky (ah)
G. B. Maxey (g)
J. E. Pearson (c)
M. Rich (abefh)
R. N. Robb (ceg)
J. M. Robertson (ceg)
M. O. Schmidt (ah)
J. A. Simon (fg)
H. F. Smith (g)
J. B. Stall (g)

R. R. Storm (dg)
E. Townley (bcd)
R. L. Walpole (efh)
H. R. Wanless (bcdfh)
G. W. White (g)
G. E. Wilkinson (g)
R. G. Wuerker (bdh)
WHEATON
J. H. Kraaskevich (cd)
WILMETTE
H. Bader (g)
J. A. Bender (g)
C. C. Langway, Jr. (efg)
H. F. Lawhead (abc)

INDIANA

AURORA
J. L. Southworth (bf)
BLOOMINGTON
R. F. Blakely (bcd)
J. Mend (bd)
L. A. Van Costren (b)
S. S. Visser (cg)
D. B. Vitaliano (f)
CARMEL
J. S. Rosenshein (bfh)
COLUMBUS
G. F. Hendricks (g)
ELKHART
W. F. McDonald (ceg)
EVANSVILLE
S. W. Rampey (cg)
H. Simmons (cg)
G. C. Sleight (abd)
GRABILL
S. R. Schwartz (f)
GREENCASTLE
C. L. Bieber (bc)
HANOVER
(S.) C. Adams (abcdeh)
INDIANAPOLIS
M. C. Boyer (g)
D. G. Jordan (ag)
J. I. Perry (g)
C. M. Roberts (fgh)
R. J. Vig (fgh)
LAFAYETTE
J. E. Deller (g)
E. J. Monke (g)
D. Swartzendruber (cg)
W. H. Wischmeier (g)
NOTRE DAME
A. J. MacAlpin (bcdfh)
PLAINFIELD
W. J. Andrews (g)
SOUTH BEND
S. Kolupaila (g)
TERRE HAUTE
R. H. F. Pao (g)
VALPARAISO
A. W. Manning (d)
WESTFIELD
F. A. Watkins, Jr. (abg)
WEST LAFAYETTE
K. S. Curtis (a)
R. L. Schuster (bfgh)
WHITING
F. C. Koop (cg)

IOWA

AMES
G. R. Benoit (cdg)
W. C. Burrows (cg)
G. W. Fox (bcd)
J. A. Gjevra (cg)
C. R. Jensen (cg)
H. P. Johnson (cg)
D. Kirkham (cg)
R. J. Kunze (cg)
J. Lemish (efh)
B. M. Reich (cg)
A. S. Rogowski (g)
R. H. Shaw (cg)
D. Zaslavsky (c)
CEDAR RAPIDS
J. E. Kasper (d)
CORALVILLE
H. J. Koloszewski (ceg)

COUNCIL BLUFFS

J. V. Barnes (fg)
DAVENPORT

G. S. Hamill, IV (abdfh)

DES MOINES

R. I. Bucknell (abd)
M. D. Dougal (cg)
C. E. Lamoureux (c)

IOWA CITY

L. M. Brush, Jr. (cegh)
F. M. Dawson (cg)
H. G. Hershey (cfgh)
R. A. Hoppin (cefh)
H. W. Howe (g)
J. T. Kelly (dg)
G. H. Ludwig (d)
C. E. McIlwain (d)
E. C. Pogue (g)
C. J. Posey (g)
J. J. Runner (fh)
A. C. Tester (eg)
A. C. Trowbridge (ceefgh)
J. A. Van Allen (cd)
J. T. Wright (c)
L. E. Mars
S. E. Buss (c)

KANSAS

CLAY CENTER

E. D. Dudley (cg)

FREDONIA

W. L. Stryker (adfh)

LAWRENCE

E. E. Angino (f)
P. C. Fishel (c)
F. C. Foley (g)
V. C. Franks (fh)
W. W. Hambleton (adf)
W. G. Hodson (g)
C. F. Kahle (f)
R. H. King (ch)
C. W. Lane (g)
J. S. McNowen (eg)
I. A. Peoples, Jr. (bdeh)
L. B. Ronca (bfh)

LIBERAL

F. Kerstetter, Jr. (bedefgh)

MANHATTAN

I. D. Bark (c)
W. S. Chapil (cg)
E. R. Lyon (d)
N. P. Woodruff (cg)

MERRIAM

R. A. Sanders (cg)

PRAIRIE VILLAGE

J. P. McCallister (g)

SALINA

H. C. McComb (bcg)

TOPEKA

L. W. Furness (cg)
W. S. Kerby (g)
J. A. Power, Jr. (cg)
E. Schrock (abdefgh)
M. L. Thompson (cg)

WICHITA

J. R. Berg (fh)
H. D. Holloway (b)
C. Leach (f)
J. D. Patterson (bd)
J. K. Snook (f)
G. J. Stramel (g)
P. J. Van Altena (bfh)
R. F. Walters (gh)

KENTUCKY

DANVILLE

R. Ellis (ce)

HENDERSON

I. B. Browning, Jr. (df)

LEXINGTON

K. O. Lange (c)
D. M. Mattox (abd)
A. C. McFarlan (bh)

LOUISVILLE

O. K. Anderson (cg)
S. O. Hammon (b)
F. B. Harkness (cgh)
G. A. Kirkpatrick (g)
J. E. Lewis (eg)

W. E. Price, Jr. (g)

R. F. Schrader (g)

W. Stosser (cg)

A. F. Thiele (cg)

WILLIAMSBURG

C. H. Minehan (g)

LOUISIANA

BATON ROUGE

L. L. Behrendt (c)
H. B. Brown, Jr. (abefgh)
C. O. Durham, Jr. (abefh)
F. N. Hansen (g)
H. N. Harrison, Jr. (acg)
J. W. Higgs, Jr. (g)
H. V. Howe (abdefgh)
J. Huner, Jr. (ch)
H. E. Klempeter, Jr. (aeg)
J. W. Lipscomb (d)
W. F. Lytle (cg)
A. E. McGrew (c)
R. R. Meyer (g)
E. C. Murray (abe)
L. M. Odum (cg)
R. J. Russell (acegh)
E. J. Taylor (cg)
BOSSIER CITY
G. W. Vick, Jr. (c)

HOUMA

G. Augustat (b)

C. L. Gunn, Jr. (bdfh)

LAFAYETTE

D. A. DeWoody (b)

J. Etter (e)

D. M. Fulcher (bf)

LAKE CHARLES

C. Q. Miller (f)

MANY

E. M. Miller (g)

METAIRIE

W. V. Mickey (b)

MONROE

F. A. Welder (eg)

NEW IBERIA

W. C. Chenoweth (abd)

NEW ORLEANS

G. I. Atwater (bh)
F. A. Benedetto (d)
R. B. Brockhouse (e)
G. M. Byrum (ce)
A. H. Glenn (ceg)
E. F. Greene, Jr. (b)
H. E. Gregory (abh)
C. F. Grubb (bh)
P. J. Hebert (c)
J. H. Howe (b)
H. M. Johnson (abdeh)
E. H. MacConnel (e)
K. M. Maring (b)
C. A. Morell, II (abefgh)
J. M. Naah (h)
E. C. Nixon (bfh)
W. S. Pike, Jr. (bfh)
A. G. Rousseau (a)
F. E. Simmons, Jr. (g)
J. C. van Wijnen (bh)
J. D. Weldon (h)

PINEVILLE

A. H. Harder (g)

RUSTON

R. M. Allen, Jr. (g)

SHREVEPORT

G. J. Baker (dh)
P. A. Bloomer, Jr. (bh)
C. A. Bryan (abdefgh)
R. W. Carter (bfh)
A. B. Forgoason (bfh)
D. T. MacRoberts (cg)
H. I. Meyer
R. R. Rosenkrans (bfh)
United Gas Corp.
C. N. Valerius (h)
VIDALIA
R. A. Campbell (bde)

MAINE

AUGUSTA

G. C. Prescott, Jr. (g)
M. R. Stackpole (g)
CARIBOU
F. C. Pate (ceg)

E. BOOTHBAY

R. D. Osg (e)

N. BERWICK

E. E. Smith (c)

NORTH VASSALBORO

T. Moore (ac)

OLD TOWN

L. A. Wing (h)

ORONO

J. M. Trefethen (fgh)

PROSPECT HARBOR

C. F. Merriam (g)

PORTLAND

C. Chibka (cg)

P. I. Cohen (d)

J. M. McDonough (ag)

MARYLAND

ABERDEEN

H. M. Conley (d)
R. E. Frenatt (cd)
W. H. Townsend (bc)

ABERDEEN PROVING

GROUNDS

B. T. Bentley (ad)
W. W. Berning (c)
C. W. Lampton (bc)
J. C. Mester (cd)
B. Perkins, Jr. (abefh)
ACCOKEEK
W. L. Petrie (abdefh)
D. P. Serbu (b)
J. Q. Tierney (e)

ADELPHI

W. J. Dichtel (d)
C. F. Ellingwood (a)
G. Mertzky (a)

M. H. Olson (bd)

ANDREWS AFB

G. D. Colchagoff (df)

ANNAPOLIS

W. F. Anderson (cd)

P. V. H. Weems (ae)

ARMY CHEMICAL

CENTER

S. D. Thayer (e)

ARNOLD

J. Williams (e)

BAINBRIDGE

J. M. LeRoy (cde)

BALTIMORE

C. F. W. Anderson (d)
G. S. Benton (ceg)
D. B. Blaz, Jr. (cg)
M. K. Blaustein (fgh)
D. E. Carritt (e)
G. P. Dix, Jr. (efg)
H. H. Engelbrecht (g)
J. S. Farlow, III (e)
O. Gates (ef)

J. C. Geyer (ceg)

P. R. Guinn (bedgh)

F. J. Harned (g)

J. Kramp (a)

D. A. Mazzarella (c)

R. B. Montgomery (e)

T. W. Musser (ce)

A. T. O'Connor (eg)

H. F. Paul (c)

D. W. Pritchard (ce)

C. E. Renn (e)

W. H. Rhodes (d)

C. A. Richardson (g)

C. C. Riggs (cd)

I. Roman (abdh)

J. W. Siegmund (eg)

J. T. Singewald, Jr. (abfgh)

J. H. Slaughter (bfh)

W. D. Sutcliffe (ah)

W. Viessman, Jr. (cg)

A. C. Waters (bfh)

J. C. Whitaker (g)

J. Wolman (g)

M. G. Wolman (g)

C. A. Zappie (ef)

BEL AIR

J. D. Wilcox (cg)

BELTSVILLE

G. B. Andrews (g)

D. L. Brakensiek (g)

T. W. Edminster (g)

A. F. Geiger (g)

J. N. Holeman (g)

L. L. Hunt (g)

L. L. Kelly (cg)

H. Klemic (bfh)

L. Pavides (bfh)

D. D. Smith (g)

D. W. Swanson (ceg)

W. S. White (h)

BERKLYN HEIGHTS

W. H. Sammons (cg)

BETHESDA

H. K. Armstrong (g)

C. I. Asakawa (abede)

F. B. Barkalow (g)

C. S. Conover (cg)

H. L. Cook (bcg)

A. L. Day (bfh)

J. H. Eberly (e)

H. W. Frantz (abdefgh)

S. V. Griffith (ag)

R. C. Grubb (cg)

C. Harman (a)

W. C. Hendrix (de)

H. A. Karo (abde)

C. E. Lewald (g)

E. W. Mance (cg)

N. C. McKay (ae)

R. L. Nace (gh)

T. J. Nordenson (g)

P. Feltier (c)

V. D. Rockney (cg)

C. F. Romney (b)

W. H. Storey (acg)

H. C. Stinson (efg)

K. L. Svendsen (d)

H. S. Thomas, Jr. (g)

O. W. Torresan (d)

R. C. Wanta (ede)

E. W. Weber (ag)

K. K. Wenzel (cg)

R. M. Wilson (a)

D. R. Woodward (g)

K. B. Young (g)

BRANDYWINE

G. F. Fanning (ah)

K. D. Pritchett, Jr. (ad)

CABIN JOHN

E. M. Sodano (a)

CAMBRIDGE

J. E. Harvey, Jr. (e)

CAMP SPRINGS

D. C. Scull (abd)

CAPITOL HEIGHTS

C. H. Swick (aeh)

CHEVERLY

W. S. Davis (ac)

R. M. Holcombe (c)

B. E. Olson (ce)

J. H. Willett (aeh)

CHEVY CHASE

B. Blanchard (aceg)

M. F. Burritt (c)

J. J. Capello (d)

R. S. Goodridge (cg)

L. Hurwitz (abd)

C. H. Jennings (cg)

R. K. Johnson (dh)

H. F. Johnston (abdefgh)

H. S. Ladd (ef)

G. D. Lukes (cd)

M. A. Mason (cg)

G. S. McNish (edfh)

F. I. Ordway, III (acd)

G. G. Parker (cefg)

R. H. Randall (ae)

J. M. Symons (e)

R. H. Thomas (g)

R. H. Weightman (c)

D. E. White (fgh)

G. D. Whitmore (a)

J. S. Winston (c)

E. G. Zies (ef)

CLINTON

M. D. Burkhardt (ce)

COLLEGE PARK

J. M. Burgers (bfh)

D. E. Fogelson (abe)

H. W. Hobbs, Sr. (cg)

F. T. Mavis (g)

- J. W. Odell (g)
S. F. Singer (d)
H. C. S. Thom (cg)
W. L. Tressler (e)
CONOWING
E. E. Turner (cg)
DAMASCUS
R. Hamburger (adfh)
DARLINGTON
H. H. Schmid (ad)
DISTRICT HEIGHTS
W. Chiniak (e)
EASTON
E. O. Hulburt (de)
EAST RIVERDALE
J. R. Peterson (bdefh)
W. C. Spreen (cg)
EDNOR
B. L. Snavely (be)
FREDERICK
H. N. Opland (bg)
GAITHERSBURG
E. L. Williams (a)
GARRETT PARK
F. L. Weaver (g)
GREENBELT
E. W. Coffay (g)
W. C. Overstreet (fh)
T. L. Skillman (bd)
HARWOOD
G. Leifson (ae)
HAVRE DE GRACE
E. J. Pybus (cd)
A. A. Thompson (be)
HYATTSVILLE
R. M. Beall (cg)
B. C. Bishop (abdefgh)
H. G. Bitting (a)
C. D. Bue (cg)
C. H. Hardison (cg)
A. A. Hathaway (cgh)
K. M. Nagler (c)
C. M. Patterson (cg)
J. B. Pfeffer (cg)
G. C. Sherlin, Jr. (cdg)
A. B. Taylor (g)
R. N. Wilson (g)
A. J. Zmuda (d)
R. T. Zoch (cg)
KENSINGTON
L. R. Alldredge (d)
D. H. Clements (bdeh)
R. W. Davenport (g)
R. C. Doolittle (abdfh)
J. G. Ferris (a)
N. FitzSimons (abdfgh)
F. T. Heuring (ad)
H. L. Hobbs (g)
R. E. Newell, Jr. (ed)
R. C. Peavey (d)
H. G. Snay (e)
R. D. Tarble (cg)
B. W. Wilcox (e)
LANHAM
C. S. Scofield (g)
LaVALE
J. H. Carlson (ag)
LINTHICUM HEIGHTS
O. Njus (c)
LONG GREEN
H. T. Orville (c)
LUTHERVILLE
J. H. Swartz (abdefgh)
OWINGS MILLS
F. W. Lee (abdefgh)
PIKESVILLE
L. S. Russak (cg)
PORT REPUBLIC
S. Karrer (abdefgh)
RIVA
B. Kinsman (e)
RIVERDALE
J. J. Keen (e)
ROCK HALL
C. D. Greene (ce)
ROCKVILLE
R. P. Savage (e)
E. S. Simpson (g)
SILVER SPRING
C. B. Brown (g)
B. H. Chobits (a)
J. E. Clark (d)
W. E. Cobb (c)
J. L. Crane (cd)
W. E. Davis (abdh)
W. J. Dempsey (d)
W. I. Duvall (bh)
H. N. Eaton (cg)
G. T. Faust (bf)
A. L. Forst (c)
L. M. Glymph, Jr. (g)
M. S. Gurnee (ceg)
S. G. Heidel (g)
M. Hooker (fh)
R. Horowitz (cd)
B. P. Ireland (g)
R. A. Jachowski (abefgh)
B. L. Johnson (abdefgh)
I. Katz (c)
D. G. Knapp (d)
M. A. Kohler (cg)
W. A. Kuhn, Jr. (abcd)
W. W. Lamoreux (cg)
B. J. Lieske (ceg)
W. Malkin (bdeg)
P. W. Mangle (d)
I. M. Martin (b)
D. P. Martineau (ce)
J. T. Mengel (a)
V. Mockus (cg)
D. L. Ockert (ad)
C. L. Parsons (d)
R. Raspet (bdef)
C. W. Reck (g)
E. S. Richmond (e)
E. C. Robertson (h)
A. Rosenblom (cgh)
E. O. Schonsted (d)
H. E. Schwartz (g)
W. O. Smith (dgh)
I. Solomon (c)
C. Swartz (g)
G. C. Weiffenbach (ad)
G. A. Young (ce)
SUITLAND
J. J. Andrews (e)
C. C. Badner (c)
M. S. Berryman (e)
E. L. Bialek (e)
F. J. Clapp (c)
K. Duncan (def)
M. E. Myers (e)
N. Olcay (ceg)
F. J. Reynolds, Jr. (a)
E. J. Saltzman (c)
TAKOMA PARK
I. Fischer (a)
A. L. Shands (ceg)
C. E. Wise, Jr. (abc)
TOWSON
E. Cloos (bfh)
TRACY'S LANDING
I. A. Bloom (c)
UPPER MARLBORO
R. G. Baker (b)
WASHINGTON GROVE
L. E. Schmid (a)
WHEATON
J. N. Adkins (bd)
MASSACHUSETTS
ACTON
G. Perry, III (c)
ALLSTON
M. Glass (c)
AMHERST
A. Arons (ce)
B. B. Benson (c)
C. E. Carver, Jr. (ceg)
G. A. Marston (acg)
G. W. Webb (abdefgh)
ARLINGTON
E. T. Allen (f)
G. A. Guy (e)
J. H. Meyer (ce)
R. A. Minzner (c)
C. H. Pierce (c)
K. C. Spengler (ceg)
B. A. Warren (bede)
E. A. Wilder (cg)
BARRE
C. B. Reynolds (bdfh)
BEDFORD
J. Aarons (d)
F. L. Eaton (c)
W. F. Elliott (ce)
P. G. Goldberg (cd)
H. K. Sen (cd)
D. Skidmore (de)
V. J. Stakutis (cg)
W. K. Widger, Jr. (c)
BELMONT
R. M. Chapman (c)
M. Greenberg (e)
H. G. Healy (g)
E. Orowan (h)
E. Radner (c)
R. H. Woodward (d)
BOSTON
D. W. Baker (bdh)
I. B. Crosby (bdefgh)
J. L. Curtis (g)
D. H. Eckhardt (bdh)
O. M. Hackett (efg)
H. N. Halberg (g)
P. J. Harney (c)
E. E. Hobson (bd)
P. F. Howard (g)
J. C. Kammerer (gh)
C. A. Kaye (efh)
C. E. Knox (g)
Chas. T. Main, Inc.
C. E. Nichols (fg)
G. W. Nolan (bd)
R. A. Phinney (be)
J. W. Raymond, Jr. (g)
G. R. Rich (c)
E. M. Thomas (d)
H. M. Turner (g)
W. F. Uhl (g)
F. M. White (ceg)
L. M. G. Wolman (cg)
G. K. Wood (g)
BOXFORD
M. A. Miller (c)
BRAINTREE
R. D. Ensmann (h)
BRIDGEWATER
F. Huffington (c)
BRIGHTON
E. Maple (d)
BROOKLINE
M. P. Hasan (d)
CAMBRIDGE
R. M. Adams (ce)
G. E. Backus (de)
H. B. Bigelow (e)
M. P. Billings (afh)
F. Birch (bfh)
A. J. Boucot (h)
P. W. Bridgman (b)
A. Casagrande (g)
F. G. Charney (ce)
G. L. Clarke (c)
J. P. Downs (bd)
K. H. Drummond (c)
G. M. Fair (g)
H. W. Fairbairn (fh)
G. Faure (f)
E. S. Ferguson (d)
M. B. Fiering (bg)
E. L. Fireman (f)
F. L. Foster (bd)
J. H. Frey (bh)
C. Frondel (h)
R. M. Garrels (h)
J. C. Gille (abdefh)
F. G. Go (cg)
T. Gold (dh)
D. R. F. Harleman (eg)
S. R. Hart (fh)
N. A. Haskell (bh)
A. M. Hauck, III (bd)
H. Hoskins (e)
H. G. Houghton (ce)
H. Hughes (fh)
P. M. Hurley (fh)
A. T. Iggen (cg)
L. D. Kaplan (cdg)
T. R. Madden (abdh)
H. M. Mark (cd)
K. F. Mather (bafh)
R. E. McCroskey (cd)
E. Mencher (efh)
D. H. Menzel (d)
J. P. Miller (fg)
H. S. Muench (g)
H. B. Pettit (cd)
W. C. Phinney (fh)
R. P. Rafuse (d)
E. R. Rose (bgh)
D. H. Shostins (e)
R. E. Shrock (efgh)
M. G. Simmons (fh)
R. S. Sreenivasan (cd)
H. A. Thomas, Jr. (g)
J. H. Thompson, Jr. (fh)
A. P. Trei (abd)
B. Vonnegut (c)
D. R. Waldbaum (fgh)
F. L. Whipple (ac)
C. A. Whitney (ac)
H. C. Willett (ce)
G. R. Williams (g)
J. W. Winchester (f)
CARLISLE
N. G. Parke, III (d)
CHESTNUT HILL
J. W. Skehan (fgh)
COCHITUATE
P. C. Dalrymple (ce)
R. H. Guenther (cdg)
COHASSET
R. B. Smyth (ceg)
CONCORD
A. C. Bemis (c)
A. E. Benfield (h)
W. S. Butcher (efh)
R. M. Cunningham (c)
G. W. Dyer (dg)
DEDHAM
T. M. Hastings, Jr. (d)
DORCHESTER
E. N. Ashley, Jr. (dfh)
J. T. Froehner (cdh)
M. S. Rutstein (e)
DUXBURY
R. O. Hutchinson (bd)
FAYVILLE
O. W. Williams (a)
FRAMINGHAM
T. D. N. Douthitt (bd)
E. Manning (d)
GROTON
V. C. Pineo (acd)
HAMILTON
E. A. Sammel (g)
HOLBROOK
C. E. Lee (e)
HOLDEN
L. J. Hooper (g)
ISLINGTON
M. D. Rostoker (h)
JAMAICA FLAIN
D. R. Arenberg (c)
LANCASTER
R. H. Woessner (cd)
LENOX
A. R. Hersh, Jr. (a)
LEXINGTON
G. T. Bryant (g)
T. Cantwell (bdfh)
L. De Goes (abdefgh)
R. G. Eldridge (cde)
J. E. Gallagher (e)
W. E. Howell (c)
C. F. Jenkins (c)
C. Jung (c)
C. B. Moore (cd)
N. A. Phillips (c)
R. C. Sagalyn (d)
L. G. D. Thompson (a)
C. N. Tourant (c)
H. Yagoda (d)
M. Zelickoff (d)
LYNNFIELD CENTER
H. C. Alberts (cd)
MANCHESTER
H. B. Cochran (e)
MARBLEHEAD
D. M. Ferguson (abdefgh)
F. Sanders (e)

MARSHFIELD
E. R. Snow (ceg)
MARSHFIELD HILLS
E. R. Anderson (cdag)
MARTHA'S VINEYARD
H. Hotchkiss (abdefgh)
MEDFORD
J. D. Hume (eg)
J. F. Rourke (bd)
I. I. Schell (ce)
MILFORD
S. F. Lombardi (e)
MILTON
E. J. Clasy (c)
S. F. Fergusson (ceg)
NATICK
W. F. Wood (abdefgh)
NEEDHAM
M. S. Wong (d)
NEW BEDFORD
K. J. Winiarski (ceg)
NEWTON
O. Tenenbaum (e)
N. W. Wahl (c)
N. ARINGTON
J. F. McClay (d)
NORTHAMPTON
M. Schalk (ce)
NORWOOD
E. O. Gronroos (de)
ORANGE
E. F. Preece (ceg)
PELHAM
T. E. Rice (bgh)
QUINCY
S. B. Solot (ceg)
READING
A. E. Tancreti (ce)
REHOBOTH
B. A. Hall (f)
ROXBURY
I. M. Browne (ce)
SCITUATE
R. E. Huschke (c)
SOUTH DARTMOUTH
H. E. Cramer (c)
SOUTH DUXBURY
R. M. Field (abdefgh)
SOUTH HAMILTON
T. H. Leith (dh)
SOUTH LINCOLN
N. C. Gerson (cd)
STONEHAM
C. W. Wolfe (beigh)
SUDBURY
C. K. Anderson (c)
J. G. Wollbach (d)
SWAMPSCOTT
L. Katz (d)
TAUNTON
J. A. Handziak (c)
WAKEFIELD
R. K. C. Johns (a)
WALPOLE
V. G. Plank (c)
WALTHAM
M. L. Barad (c)
J. Carstou (bde)
E. J. Chernosky (bed)
S. C. Coroniti (cd)
A. Engelman (ce)
D. A. Hedlund (d)
V. H. Katz (cdag)
W. F. Falson, Jr. (c)
T. F. Rogers (bedgh)
L. G. Smith (cd)
WATERTOWN
W. Baginaky (ceg)
K. K. Toman (d)
J. B. Wiesner (d)
WELLESLEY HILLS
P. S. Eagleson (eg)
E. B. Penndorf (cd)
H. O. Stearns (abe)

WEST MEDFORD
R. L. Nichols (f)
WEST NEWTON
P. H. Wyckoff (d)
WESTON
R. D. Coons (c)
D. Linehan, S. J. (abh)
A. Peterson (acd)
F. W. Ward, Jr. (cd)
WESTOVER AFB
D. C. Jensen (c)
WEST SPRINGFIELD
R. F. Novotny (efgh)
WILLIAMSTOWN
F. Foote (bef)
J. A. MacFadyen, Jr. (beh)
E. L. Perry (bda)
WINCHESTER
W. L. Cowan (ag)
WOODS HOLE
W. H. Barbour (ae)
D. C. Blanchard (ce)
D. F. Bumpus (e)
E. T. Bunce (abeh)
Chase (ce)
K. S. Edwards (abe)
D. A. Fahlgren (eh)
A. J. Fallor (ce)
H. G. Farmer, Jr. (eg)
D. H. Franter, Jr. (e)
F. C. Fuglist (e)
P. M. Fye (e)
J. W. Graham (bfh)
B. Hersey (abdh)
H. H. Ketchum (c)
W. V. Kielhorn (e)
R. G. Leahy (ef)
A. R. Miller (e)
A. C. Redfield (e)
W. S. Richardson (e)
M. Sears (e)
E. H. Smith (ceg)
E. H. Smith (e)
F. M. Soule (de)
H. Stommel (e)
A. C. Vine (ae)
G. H. Volkman (e)
W. S. von Arx (ce)
T. F. Webster (de)
A. H. Woodcock (e)
WORCESTER
R. D. Sands (cg)
I. M. Sandy (ag)

MICHIGAN

ALLEN
V. L. Marshall (bdhf)
ANN ARBOR
M. L. Barash (dehf)
D. H. Belknap (cgh)
F. R. Bellaire (c)
E. W. Blierly (c)
A. Blake (bdch)
R. L. Boggess (d)
E. F. Brater (g)
L. I. Briggs, Jr. (bchf)
F. V. Brock (e)
R. G. Corbett (f)
J. N. DeNoyer (bd)
R. K. Dumbauld (c)
D. F. Eschman (beigh)
R. C. Fitzpatrick (abdefgh)
R. A. Gilcrest (ce)
E. N. Goddard (f)
F. T. Haddock, Jr. (d)
H. L. Hamilton, Jr. (c)
E. Wm. Heinrich (f)
E. W. Hewson (c)
D. L. Jones (c)
G. R. Kunkle (cg)
R. M. McCulloch (f)
W. F. McLean (e)
A. H. Murphy (ce)
C. F. Powers (e)
S. S. Robinson (b)
N. W. Spencer (c)
A. Spengos (cg)
F. S. Turneure (f)
J. M. Wiggert (g)
C. T. Wilson (beh)
D. O. Wisler (g)
D. C. Woo (g)

J. J. B. Worth (c)
J. H. Zumberge (eg)
CALUMET
J. P. Pollock (f)
CLARE
D. H. McConica, III (cgh)
DEARBORN
M. Ference, Jr. (cdh)
H. L. Hosmer (dfh)
DETROIT
L. Bajouras (g)
P. Bedford (fgh)
F. A. Blust (g)
J. M. Campbell
L. V. Garrity (g)
General Motors Corp.
A. J. Hansen, Jr. (f)
W. T. Laidly (ag)
I. D. Lemke (cd)
H. Mandelbaum (ceg)
W. H. Parsons (fh)
C. Z. Roullidis (bheh)
EAST LANSING
R. A. Baltzer (ceg)
A. H. Eichmeier (c)
A. E. Erickson (g)
H. H. Hautaus (abdh)
W. J. Hinze (abdefh)
D. W. Keck (d)
E. H. Kidder (g)
E. M. Laursen (g)
P. T. Taylor (bd)
C. H. Wayman (efgh)
D. P. White (cg)
GRAND RAPIDS
E. M. Bart (efgh)
H. V. Myers (a)
GROSSE POINTE
T. Hooker, Jr. (bdhf)
GROSSE POINTE FARMS
J. W. Mulford (f)
GROSSE POINTE WOODS
J. A. Hunt, Jr. (ceg)
HOUGHTON
L. O. Bacon (abdf)
W. C. G. Farley (ab)
W. A. Longacre (bdgh)
R. H. Mount (abdh)
J. M. Neilson (b)
A. K. Snelgrove (bf)
D. O. Wylie (abch)
D. G. Yerg (edg)
IRON MOUNTAIN
G. B. Patrick (c)
B. C. Trethewey (df)
ISHPEMING
B. H. Boyum (abdefgh)
JACKSON
G. R. Grantham (cg)
A. Streiff (ceg)
KALAMAZOO
R. A. Sanderson (dg)
LANSING
T. Abrams (a)
T. Derragon (bcg)
M. Deutsch (g)
R. A. Long (fh)
J. G. Rulison (cg)
J. W. Trow (gh)
S. W. Witala (g)
MIDLAND
J. J. Grebe (f)
PONTIAC
R. R. McMath (adh)
H. D. Prince (d)
SALINE
D. S. Heim (cd)
STAMBAUGH
R. H. Beck (abdf)
WARREN
L. R. Harstad (d)
WHITMORE LAKE
D. N. Hart (bfg)
W. E. Langenbahn (fh)
YPSILANTI
D. J. Portman (e)
N. Smith (d)
D. E. Willis (beh)
ZEELAND
J. I. Tanis (bdh)

MINNESOTA

AUSTIN
R. W. Rush (e)
DULUTH
H. J. Hakala (ad)
E. A. Hall (abdh)
E. D. Johnson (dg)
L. A. Mattson (df)
J. Royce (d)
EXCELSIOR
F. V. Ballard (afgh)
MINNEAPOLIS
E. J. Amdur (c)
A. G. Anderson (g)
A. D. Belmont (ceg)
J. C. Craddock (bdefh)
G. D. Freier (c)
P. W. Gast (f)
W. J. Gelinau (ef)
J. L. Gergen (cd)
S. S. Goldich (f)
G. O. Guesner (ag)
E. L. Hill (d)
R. A. Hoffman (d)
L. A. Johnson (ag)
H. A. Jongedyk (g)
P. W. Kenworthy (c)
R. F. Kreiss (a)
J. L. Kroening (c)
D. B. Lawrence (cig)
Lightning and Transients
Research Institute
A. F. Meyer (cg)
F. B. Millett, Jr. (abdh)
H. M. Mooney (abdh)
M. M. Newman (cd)
A. O. C. Nier (f)
L. E. Peterson (d)
E. B. Sandell (f)
J. C. Slothower (df)
A. G. Spillhaus (ce)
L. G. Straub (g)
J. H. Strub, Jr. (cg)
R. R. Winkler (d)
L. S. Witzigman (g)
H. E. Wright, Jr. (cegh)
NEWPORT
H. G. Rodis (g)
NORTHFIELD
L. M. Gould (gh)
D. Stewart (f)
ROCHESTER
A. L. Orvis (cd)
ST. PAUL
D. G. Baker (cg)
W. M. Bollenbach (g)
B. R. Colby (cg)
J. A. Earl (cd)
W. S. Glock (cefg)
Edw. E. Johnson, Inc.
C. L. Larson (g)
M. E. Nelson (ceg)
R. Oberg (cefg)
S. M. Rubens (d)
Schneider
R. L. Schreurs (g)
MISSISSIPPI
BROOKHAVEN
J. E. Barthelemy, Jr. (b)
ELLISVILLE
C. R. Pettis (g)
HATTIESBURG
B. W. Brown (fh)
O. T. Brown (f)
JACKSON
W. F. Albers (b)
G. V. Fish (ceg)
J. W. Lang (g)
K. Mather (cd)
T. V. McPhillips (abd)
R. K. Phillips (b)
W. H. Robinson (g)
R. E. Spencer (abde)
C. Wagner (c)
D. H. Warren (abde)
OCEAN SPRINGS
F. Chew (ce)
G. Gunter (cg)
OXFORD
J. L. Thames (g)

PAGE
D. Lum (ab)
UNIVERSITY
F. E. Denny (g)
R. J. Hughes, Jr. (abdefgh)
R. E. McHenry (g)
R. Woodburn (ag)
VICKSBURG
F. B. Campbell (cg)
J. G. Housley (ce)
J. I. Hvosley (cg)
N. E. Moore (cgh)
W. E. Rater (cg)
W. H. G. Roth (cg)

MISSOURI

BONNE TERRE
W. W. Weigel (df)
BRENTWOOD
I. A. Lutsey, Jr. (ah)
W. C. Mahoney (a)
BUCKNER
R. E. Johnson (g)
CLAYTON
J. R. Stinson (c)
COLUMBIA
R. B. Curry (cg)
W. L. Decker (cg)
P. W. Fletcher (g)
W. M. Sangster (cg)
T. T. Smerdon (cg)
H. W. Wood, Jr. (g)
C. M. Woodruff (g)

IMPERIAL
I. T. Tunney (f)
KANSAS CITY
V. Alexander (g)
W. R. Atleford (g)
E. C. Balke (ceg)
N. M. Burgner (c)
A. Ehrlich (cg)
S. E. Eklaw (ceg)
J. P. Hahn (cg)
W. L. Northrop (cg)
D. E. Phillips (cg)
J. T. Theisen (cg)
H. J. Thompson (g)
C. F. Van Thullen (ceg)
N. T. Veatch (g)

KIRKWOOD
C. H. Frey (a)
R. J. Gentile (fg)
G. K. Hasegawa (g)
C. G. Hinchman (a)

NORMANDY
R. N. Craig (cg)
OVERLAND
G. Stallard (c)

ROLLA
G. C. Amstutz (fh)
R. A. Black (bd)
H. C. Bolon (g)
G. B. Clark (b)
D. Kennedy (a)
J. W. Lavery (dfh)
J. C. Maxwell (bg)
M. S. Petersen (g)

ST. JAMES

ST. LOUIS
R. W. Ballew (a)
R. W. Berry (f)
V. J. Blum, S. J., (abodh)
G. Braught (b)
J. C. Brice (cg)
J. E. Brooks (ceg)
C. F. Chow (c)
E. U. Condon (bcde)
J. D. Dabba (a)
A. F. Espinoza (abdef)
J. M. Estes (a)
A. J. Frank (bdif)
A. S. Furumoto (bh)
E. J. A. Gain (g)
R. H. Hanna, Jr. (a)
W. J. Hartnett (ceg)
R. F. Hautly (b)
W. W. Hays (ad)
F. C. Heigold (abd)
R. E. Hettrich (bc)
A. N. Heyl (a)

N. S. Hinchey (bg)
S. W. Jena (g)
H. S. Jorgenson (ab)
E. M. Lehr (a)
P. Light (cg)
R. G. Mann (cg)
T. Meidaw (bdh)
E. C. Messervy (cg)
W. F. Miller (a)
H. F. Mondschlein (cg)
J. R. Motto, Jr. (a)
O. W. Nuttli (ab)
R. D. Rechten (ab)
H. M. Reits (gh)
W. H. Roschke, Jr. (bdgh)
L. Scharon (bdifg)
G. S. Shelton (a)
W. F. Sprengnether Instrument Co.
B. Szabo (a)
G. J. Vencill (cg)
D. F. Venker (befg)
J. A. Volk (bd)
R. K. Warren (ab)
A. L. Worsec (cg)
UNIVERSITY CITY
C. Kissinger (abdh)
I. Levine (a)
WHITEMAN AFB
P. R. Stinchfield (c)

MONTANA

BIG TIMBER
D. E. Burnham (bdef)
BILLINGS
G. F. Darrow (beg)
J. Doroshenko (fgh)
L. J. Larquier (b)
E. H. Mansfield (bdh)
A. C. Munyan (abdefgh)
J. W. Peters (abdh)
H. L. Thomsen (ab)
BOZEMAN
C. C. Bradley (fh)
C. Dodge (cg)
P. A. Glancy (abfgh)
A. W. Shelden (bef)
BUTTE
S. W. Nile (b)
CHOTEAU
J. G. Robison (d)
GREAT FALLS
A. F. Bateman, Jr. (gh)
C. E. Erdmann (fgh)
HELENA
E. P. Beaulieu (abcefg)
R. A. Dightman (c)
C. S. Heidel (g)
N. J. Holter (g)
LAKESIDE
H. W. Bloomer (d)
MISSOULA
J. H. Dieterich (abdefg)
M. H. Manghanni (bdef)

NEBRASKA

BELLEVUE
D. W. Saxton (c)
L. A. Stuebing (cg)
C. E. Wilcox (c)
COLUMBUS
R. S. Clark (cg)
GRAND ISLAND
J. F. Mayne (cg)
HASTINGS
J. A. Allis (g)
F. J. Dragoun (g)
LINCOLN
R. G. Bowman (c)
D. D. Brice (g)
R. H. Corcoran (g)
F. L. Duley (cg)
H. G. Heinemann (cg)
F. E. Hereford (c)
D. W. Hubbell (g)
F. C. Keech (g)
K. M. Kent (g)
F. F. LeFever (g)
F. C. Maxarak (g)
S. C. McVicker (g)
E. C. Reed (g)

O. J. Scherer (g)
E. F. Schramm (cef)
A. L. Sharp (g)
N. R. Swanson (g)
G. R. Taylor (g)
MC COOK
W. O. Brown (cg)
M. Maasland (acg)
OMAHA
A. L. Alin (abcefg)
J. R. Anderson (c)
J. M. Barton (abg)
D. C. Bondurant (cg)
A. S. Harrison (cg)
M. S. Kirby (bdifg)
E. W. McClendon (ceg)
F. W. Murray (c)
R. J. Pafford, Jr. (cg)
E. F. Stapowich (ce)
O. E. Van Horn (cg)
T. Waara (g)

NEVADA

BLUE DIAMOND
H. C. Wells (bdh)
BOULDER CITY
F. S. Anderson (g)
F. K. Illik (g)
H. E. Pelham (cg)
CARSON CITY
H. A. Shamberger (beg)
J. W. Stanley (g)
EAST ELY
B. T. Berge (f)
EUREKA
D. A. Brew (fh)
LAS VEGAS
P. W. Allen (c)
J. H. Morgan (g)
MERCURY
I. J. Winograd (cg)
MINDEN
G. M. Dangleberg (c)
RENO
H. P. Boardman (g)
J. E. Church (ceg)
H. E. Cooke, Jr. (abdefgh)
I. I. Ginnlett (abdh)
R. J. Glenn (g)
N. S. Hall (g)
E. M. P. Lovejoy (bdifg)
L. S. McGirr, Jr. (adg)
V. I. Myers (fg)
E. Onuschkak, Jr. (efg)
V. T. Ryan (g)
V. E. Scheid (fh)
SPARKS
H. F. Haupt (cg)
L. J. May, Jr. (dif)

NEW HAMPSHIRE

CONCORD
W. R. Fuller (g)
D. W. Hurlingham (cg)
DUBLIN
R. Sagendorph (a)
DURHAM
L. J. Cahill, Jr. (d)
W. C. Lockwood (cd)
R. R. Meyers (fg)
C. J. Schneer (af)
J. H. Zoller (g)
EXETER
W. S. Burbank (fh)
C. M. Matthews (acg)
GOFFSTOWN
J. V. Salo (edg)
HANOVER
M. G. Morgan (d)
L. R. Page (f)
KEENE
C. H. Hapgood (abdh)
LACONIA
K. H. Belj (g)
W. LEBANON
J. B. Lyons (f)
NEW JERSEY
S. Paige (ahg)

ASBURY PARK
S. J. Bauer (cd)
H. Weickmann (cdg)
ATLANTIC CITY
S. Deitch (e)
F. H. Ditto (c)
BLOOMFIELD
R. J. Ferber (ab)
R. M. Schotland (cde)
BRADLEY BEACH
L. H. Ruhnke (cd)
BRIDGETON
J. E. Randolph (cg)
J. Remson (g)
CAPE MAY
COURT HOUSE
T. C. Nelson (ceg)
ELIZABETH
J. H. Sanford (g)
ELMER
J. R. Mather (c)
C. W. Thornthwaite (cg)
FAIR HAVEN
F. H. Dickson (d)
FLORHAM PARK
A. R. Bobrowsky (bfh)
FT. MONMOUTH
G. A. Wolf (c)
FREEHOLD
H. J. aufm Kampe (c)
GLEN ROCK
D. J. O'Connor (g)
HADDONFIELD
K. E. Andrews (bd)
A. H. Benner (dh)
HIGHLAND PARK
R. J. Haeefel (bcg)
G. Winchester (ch)
HILLSIDE
D. Levy (ceg)
JERSEY CITY
J. E. Christopher (abdefgh)
C. J. Galvin (b)
LAKEHURST
A. F. Woerber (c)
LEONIA
H. R. Aldrich (dfh)
LINWOOD
W. E. Ewert (c)
LITTLE FERRY
A. R. Pagan (cg)
LITTLE SILVER
F. B. Daniels (d)
L. A. Pick (cd)
LODI
R. E. Fisher (c)
LONG BRANCH
S. Perlman (cd)
McGUIRE AFB
J. L. Hale (c)
MENDHAM
N. F. Lacey (c)
METUCHEN
W. C. Dimock (ceg)
J. C. F. Tedrow (g)
MIDLAND PARK
H. M. Corn (g)
MONTVILLE
E. B. Douglas (bdh)
NEPTUNE
H. W. Kasemir (c)
D. M. Swingle (cd)
NEWARK
H. M. Frazier (c)
NEW BRUNSWICK
H. Johnson (eg)
W. E. Marlatt (cg)
D. V. Stokely (cd)
D. V. Waddington (g)
NEW LISBON
I. C. Reigner (g)
NEW SHREWSBURY
A. K. Harris (d)

NORTH ARLINGTON

D. A. Harvey (dh)

NORTH PLAINFIELD

J. Vecchioli (bcefigh)

PARAMUS

M. Hackman (c)

PARLIN

G. L. E. Linn (g)

PATERSON

P. J. Del Vecchio (cd)

PENNINGTON

E. E. Cyphers, Jr. (g)

J. E. McCall (ag)

PLAINFIELD

L. D. Arons (acd)

E. C. Taylor (acodgh)

PRINCETON

D. S. Barker (fh)

S. Biehler (abedfh)

W. E. Bonini (abdh)

I. Y. P. Borg (h)

A. F. Buddington (fh)

M. O. Childers (bhf)

A. De (bhf)

C. E. Healey (dgh)

H. H. Hess (abefh)

H. D. Holland (f)

S. B. Irish (a)

P. Kiasan (a)

T. A. Konigsmark (eh)

H. W. Leverenz

E. A. Margerum (abdefgh)

J. C. Maxwell (bdhf)

RCA Laboratories Div.

E. Sampson (fh)

T. E. Simkin (efgh)

L. Spitzer, Jr. (cde)

J. C. Stewart (h)

W. T. Thom, Jr. (abdfh)

H. F. Winterkorn (cg)

R. Vajk (abdh)

RIDGEWOOD

L. A. Leyenberger (cg)

SOUTH ORANGE

H. A. Foster (g)

TITUSVILLE

R. H. Tice (e)

TOMS RIVER

D. J. Hathaway (befg)

T. M. Mangum (ce)

TRENTON

C. A. Appel (abefgh)

J. A. Bettendorf (acg)

D. V. Dunlap (cg)

C. H. Gaum (g)

M. E. Johnson (abdg)

S. M. Lang (cg)

M. M. Poplack (bcefg)

P. R. Seaber (g)

G. R. Shanklin (cg)

A. Sinnott (fgh)

WESTFIELD

H. R. Magnuson (big)

R. B. Sosnan (fh)

C. H. Voelker (cg)

WEST LONG BRANCH

A. Arnold (c)

WOODBURY

A. B. Andrews (b)

NEW MEXICO

ALAMOGORDO

S. S. Bagley (a)

J. G. Jones (cd)

M. W. Jones (bdgh)

F. O. Rossmann (cedgh)

ALBUQUERQUE

J. H. Abrahams, Jr. (fg)

J. J. Adams, Jr. (g)

L. J. Bjorklund (g)

J. W. Blagbrough (ef)

J. S. Buckwold (fg)

D. E. Burkham (g)

W. D. E. Cardwell (g)

B. N. Charles (cde)

J. K. Culbertson (g)

R. L. Cushman (gh)

E. J. Dortignac (cg)

R. W. Fife (g)

C. E. Grey (bfh)

C. E. Hyvarinen (g)

J. Katzenstein (d)

H. E. Koester (fg)

H. W. Lynde, Jr. (fh)

T. O. Meeks (g)

W. R. Perret (cd)

J. W. Reed (c)

R. H. Swanson (g)

C. V. Theis (g)

D. Trauger (g)

W. D. Weart (bh)

J. E. Weir, Jr. (g)

A. A. Welch, Jr. (cde)

S. A. Wengerd (abefh)

CARLSBAD

E. R. Cox (fg)

W. E. Pratt (bcefg)

DEMING

L. T. Putnam (g)

FARMINGTON

S. A. Fowler (dfh)

GRANTS

W. E. Bales (dfh)

R. A. Lavery (bd)

P. E. Melancon (fgh)

HACHITA

R. A. Zeller, Jr. (ah)

HOBBS

S. R. Tyler (bdhf)

LAS CRUCES

W. J. Brown (c)

F. V. Hansen (c)

LOS ALAMOS

T. J. Boyd, Jr. (ed)

B. F. Rogers, Jr. (ag)

ROSWELL

S. H. Galloway (g)

J. B. Haigler (g)

R. D. Holt (abefgh)

J. W. Hood (g)

R. W. Mower (acg)

K. E. Murphy (gh)

SANTA FE

P. D. Akin (g)

J. R. Erickson (g)

W. L. Heckler (g)

Z. Spiegel (g)

J. C. Yates (g)

SAGUARO

M. Brook (cd)

A. J. Buddington (bfh)

W. D. Crozier (bd)

M. S. Hantush (agh)

F. R. Kintzinger (dgh)

F. E. Kottlowski (dfh)

M.-S. Sun (fh)

M. H. Wilkening (ed)

M. E. Willard (fh)

E. J. Workman (d)

STATE COLLEGE

R. K. Sherburne (cedh)

SUNSPOT

J. W. Evans (a)

H. J. Smith (d)

TULAROSA

B. T. Mitchell (cg)

NEW YORK

AKRON

R. A. Brown (c)

ALBANY

L. E. Carroon (g)

N. J. DiPiazza (bdgh)

F. J. Dougherty (g)

B. Dunn (g)

R. C. Heath (cg)

T. Isaacs (fgh)

F. K. Mack (bg)

H. G. Wilm (cg)

J. D. Winslow (bdgh)

ALBANY

E. E. Brodbeck (g)

AMAWALK

S. F. Kelly (abedfh)

BAYSIDE

R. F. Merewether (c)

BELLMOORE

F. Field (ce)

BOONVILLE

L. Lansing (c)

BRONX

B. Davidson (ce)

M. H. Degani (cdeg)

A. R. Hinn (ce)

R. Hollman (cd)

J. P. Pandolfo (ce)

J. Spar (c)

BROOKLYN

W. L. Donn (ceg)

S. H. Elms (bfh)

E. J. Gumbel (g)

J. H. Jameson (agh)

M. Koenig (abce)

S. F. Maran (ach)

H. S. Melitzer (cg)

I. S. Ruff (cd)

E. L. Savage (abfgh)

S. I. Strausberg (gh)

K. Stulman (de)

E. Weber (d)

W. E. Yasso (bfh)

BROOKTONDALE

H. G. Booker (cd)

BUFFALO

S. Chapman (ed)

W. A. Flood, Jr. (cd)

F. S. Freeman (c)

H. H. Larkin, Jr. (bc)

A. C. McTigue (b)

B. L. Wiggins (c)

CANTON

R. O. Bloomer (fh)

R. A. Lufburrow (e)

CHAPPAQUA

G. S. Fox (g)

L. C. Raymond (fg)

CORNING

J. F. Wosinski (fg)

DOBBS FERRY

G. N. Cox (g)

J. Northrop (g)

DOWNSVILLE

T. W. Flahr (dgh)

EAST AURORA

D. A. Parsons (g)

EAST ELMHURST

L. Landau (ceg)

EAST GREENBUSH

E. E. Dittbrener (g)

EAST MEADOW

N. D. Dvoskin (c)

EAST WILLISTON

C. J. Knutson (c)

ELLENVILLE

G. R. Ayer (g)

ENDICOTT

R. Ursin-Smith (agh)

FOREST HILLS, L. I.

T. Gompers (d)

GARDEN CITY

M. L. Brashears, Jr. (fgh)

HAMILTON

D. K. Berkey (d)

J. G. Woodruff (b)

HOWARD BEACH

H. R. Woodstone (abedefgh)

IRVINGTON ON

HUDSON

G. Kelton (be)

ITHACA

A. L. Anderson (efh)

P. F. Bijlaard (bfh)

R. Bolgiano, Jr. (c)

N. A. Christensen (abedefgh)

R. A. Christman (f)

P. K. Fahnestock (efg)

D. T. Farley, Jr. (cd)

C. W. Gartlein (d)

W. E. Gordon (ed)

A. W. Harrington (cg)

M. E. Johnson (ceg)

G. Kantor (c)

K. R. Kothe (b)

T. Laaspere (cd)

G. B. Lyon (cg)

D. Miller (cg)

E. H. Muller (efg)

C. M. Nevin (abdeh)

B. Nichols (d)

J. B. Rensu (d)

G. C. Sheldon (beh)

G. C. Sprague (cd)

P. H. Underwood (adeh)

L. S. Wagner (cd)

JACKSON HEIGHTS

V. F. Dracup (a)

W. S. Newman (bhigh)

C. S. Partridge (c)

JAMAICA

L. E. Brotzman (ceg)

L. H. Mantas (ce)

L. T. Olson (c)

KENMORE

J. S. King (efg)

LEVITTOWN

J. J. Geraghty (g)

H. G. Kaplan (c)

LITTLE NECK

V. J. Young (e)

MALVERNE

B. Shupack (ce)

MILLBROOK

N. E. Howard (acd)

MINEOLA

H. L. Frauenthal (gh)

N. J. Laszycynski (g)

N. M. Perlmutter (ag)

R. M. Sawyer (g)

J. E. Upson (g)

MONROE

H. W. Jaffe (f)

MONTROSE

R. G. Coulter (g)

MOUNT KISCO

G. Emmons (ce)

MT. VERNON

A. S. Toth (g)

NEW CITY

L. Talkington (ad)

NEW YORK

H. A. Ackerman (ah)

A. Al-Hamdani (ceg)

J. E. Alvers (cg)

J. E. Ayres (abde)

J. J. Baffa (g)

O. J. Baldwin (cg)

F. R. Baile (g)

A. F. Banfield (dg)

D. Barkow (c)

C. H. Behre, Jr. (fg)

A. Beiser (cde)

Bell Telephone Laboratories

E. S. Belote (a)

I. V. Berkner (cd)

A. M. Bernstein (cd)

J. F. Berthelsen (ac)

M. A. Biot (bb)

M. V. Boelitz (b)

S. D. Bowers (abfg)

J. A. Brown (cde)

W. H. Bucher (ab)

General Dynamics Corp.

B. L. Golding (cg)
 B. R. Graham
 D. W. Greenman (abdcg)
 J. A. Gude, III (bedfh)
 W. H. Haefner
 G. R. Hamilton (abdeh)
 J. B. Hammon (ag)
 W. W. Hardy (abd)
 C. C. Haynes (d)
 R. Hazen (cg)
 U. K. Heidelberg (adeh)
 C. H. Helman, Jr. (c)
 V. F. Hess (ed)
 E. Holman (abd)
 R. K. Honaman
 J. H. Howard (h)
 H. E. Hudson, Jr. (cg)
 International Telephone and
 Telegraph Corp.
 W. S. Jardetzky (h)
 W. Kaciak (odeg)
 M. Kay (eh)
 P. F. Kerr (f)
 A. M. Kinloch (ag)
 S. A. Korff (ed)
 M. Kovich (d)
 S. Kussman (c)
 E. C. Lamb (bdh)
 G. A. LaRocque, Jr. (g)
 D. W. Lea (ceg)
 Leggett, Brasshears, and
 Graham
 L. A. Lovell (g)
 K. E. Lowe (fh)
 J. Lynch, S. J. (bh)
 D. B. MacLachlan (bh)
 P. F. Magyar (deh)
 G. T. McCarthy (ceg)
 R. E. McKown (ce)
 R. W. McNamee
 E. M. McNatt
 D. W. Miller (ag)
 J. E. Miller (c)
 M. M. Miller (g)
 D. D. Mitchell (g)
 R. D. Mollison (bdh)
 T. V. Moore (be)
 H. R. Moorman (abd)
 J. E. Morgan (ag)
 F. M. Moskvinoff (cg)
 R. Nebolsine (g)
 T. W. Nelson (abdhg)
 G. Neumann (e)
 A. O'Donnell (df)
 W. S. Olson (abh)
 Parsons, Brinckerhoff, Hall,
 and Macdonald
 J. D. Parsons (abgh)
 W. J. Pierson, Jr. (ce)
 E. R. Pioro (de)
 M. Pirnie (cg)
 A. Poldervaart (f)
 N. Porter (ae)
 F. H. Pough (f)
 M. Prinz (efh)
 A. P. Ratti (a)
 A. A. Reinemund (bh)
 L. Rhodes (odeg)
 J. M. Rolf (adfh)
 R. J. Rommer (c)
 J. S. Rosenthal (c)
 P. C. Rutledge (g)
 S. Schaffel (fh)
 B. Schilit (c)
 R. S. Schottler (ef)
 D. D. Shafner (c)
 Shell Oil Co.
 W. H. Sherman (aeg)
 M. H. Sipple, Jr. (ceg)
 R. J. Smith (h)
 Standard Oil Co. of
 New Jersey
 R. G. Stewart (g)
 A. N. Strahler (g)
 W. Tang (c)
 B. A. Tator (ed)
 M. H. Taylor (ag)
 M. J. Terman (fgh)
 C. Thor (c)
 G. E. Tolbert (f)
 R. Tucker (bc)
 Union Carbide Corp.
 A. Van Burkalow (cg)
 N. VanderSleen (abdh)
 E. W. Vaughan

D. Vezzoli (ad)
 F. Vila (abdeh)
 R. C. Vorhis (bg)
 J. Weertman (gh)
 S. N. Williams (e)
 R. W. Wilson (c)
 D. B. Winfrey (b)
 W. A. Wood (acg)
 M. A. Woodbury (ce)
 NYACK
 M. J. Davidson (abdf)
 OLEAN
 W. J. Yahn (h)
 PALISADES
 W. C. Beckmann (abdeh)
 W. S. Broecker (ef)
 H. J. Dorman (h)
 C. L. Drake (abde)
 D. B. Ericson (e)
 J. I. Ewing (abdeh)
 M. Ewing (abdeh)
 E. C. Heezen (abdeh)
 H. H. Hirschman (abde)
 K. L. Hunkins (bdh)
 B. L. Isaacs (abdh)
 J. L. Kulp (e)
 E. G. Landisman (abdeh)
 A. Long (f)
 L. E. Long (f)
 B. Lusk (abde)
 W. T. McGuinness (hc)
 D. S. Miller (f)
 J. E. Nafe (abde)
 J. E. Oliver (bce)
 E. A. Olson (f)
 R. W. Pomeroy (abdh)
 R. B. Simon (b)
 G. H. Sutton (abdeh)
 T. Takahashi (f)
 M. Talsani (abdeh)
 J. L. Worzel (abde)
 PEEKSKILL
 G. M. Carhart (f)
 J. W. Irish (ag)
 PIERMONT
 J. F. Hennion (abef)
 PITTSFORD
 F. A. Alling (f)
 PORT WASHINGTON
 W. F. Davidson (ed)
 K. W. Ross (ag)
 POTSDAM
 J. S. Kim (d)
 POUGHKEEPSIE
 S. A. Schmitt (abdeh)
 H. D. Shane (be)
 RHINECLIFF
 A. G. O'Donnell (d)
 RICHMOND HILL
 W. Fedukowicz (e)
 RIVERHEAD
 B. Brandinger (d)
 S. Goldman (d)
 H. O. Peterson (d)
 R. J. Wagner, Jr. (ed)
 ROCHESTER
 J. S. Chema (ed)
 J. S. Coleman (c)
 J. F. Kick (fh)
 G. V. Pesce (cg)
 M. L. Williams (cg)
 ROCKY POINT, L. I.
 H. H. Beverage (d)
 W. A. Miller (ed)
 ROME
 N. T. Hallmark (a)
 SARATOGA SPRINGS
 L. W. Strock (ef)
 SCARSDALE
 A. J. Z. Cerny (deh)
 M. W. Garretson (fgh)
 SCHENECTADY
 S. B. Dunham (c)
 K. A. Pauly (a)
 V. J. Schaefer (cg)
 E. S. C. Smith (bfg)
 SCOTIA
 H. von Schelling (cg)

SUFFERN
 B. V. Korvin-Kroukovsky (e)
 SYRACUSE
 E. T. Apfel (cgh)
 W. R. G. Baker (bedeh)
 N. E. Chute (efh)
 N. E. Falvey (bg)
 P. E. James (c)
 A. L. Leaf (cg)
 G. H. Millman (acdl)
 W. S. Palius (bg)
 A. E. Sanders (d)
 D. R. Satterlund (g)
 SYOSSET
 A. J. Nazarek (ed)
 TARRYTOWN
 J. F. Hoffman (abdeh)
 TROY
 R. F. Beers (abdeh)
 W. D. Carragan (bd)
 R. Fleischer (d)
 A. W. Frament (g)
 L. C. Higbee (ag)
 S. Katz (bdeh)
 E. J. Kilcawley (g)
 R. G. LaFleur (acg)
 S. W. Lowman (abeh)
 M. O. Mac (c)
 R. H. Rapp (abde)
 J. L. Rosenholtz (abdh)
 TUCKAHOE
 H. A. Miranda, Jr. (d)
 TUXEDO
 W. O. J. Groeneveld Meijer
 UNIVERSITY HEIGHTS
 W. E. Dobbins (g)
 UPPER NYACK
 G. V. Latham (de)
 UPTON, L.I.
 O. A. Schaeffer (f)
 I. A. Singer (bedeg)
 UTICA
 L. Colin (ed)
 VAL HALLA
 F. J. Soczy, Jr. (c)
 WADDINGTON
 F. W. Trainer (g)
 WATERVLIET
 D. T. Smith (bh)
 WELLSVILLE
 A. M. Van Tyne (b)
 WESTHAMPTON BEACH
 S. B. Cross (e)
 WEST HEMPSTEAD, L. I.
 A. L. Brown (ag)
 WEST NYACK
 H. I. Brundage (begh)
 G. B. Tirey (abde)
 WHITE PLAINS
 B. J. Dunn (d)
 M. Goldstein (acg)
 S. S. Stevens, Jr. (fg)
 WHITESTONE
 H. R. Henry (g)
 WILMINGTON
 K. Maynard (ce)
 WOODMERE
 A. W. Wakeling (c)
 YORKTOWN HEIGHTS
 IBM Research Center
 G. F. Kaufmann (abdh)
 NORTH CAROLINA
 ASHEVILLE
 H. L. Crutcher (cg)
 L. R. DeCoster (c)
 O. M. Esenwanger (c)
 A. B. Goodwin (g)
 H. G. Meginnis (d)
 CHAPEL HILL
 D. K. Hamilton (g)
 W. W. Harrington (dh)
 G. R. MacCarthy (bdh)
 V. I. Mann (a)
 C. M. Weiss (cg)
 CHARLOTTE
 J. M. Howe (ceg)

DURHAM
 E. W. Berry (acefg)
 W. D. Billings (cg)
 E. E. C. Clebach (g)
 S. D. Daring (c)
 S. D. Heron, Jr. (f)
 GOLDSBORO
 C. E. Miller (acg)
 GREENSBORO
 D. Walrath (g)
 MORGANTOWN
 W. N. White (g)
 NAGS HEAD
 F. B. Dinwiddie (ceh)
 POPE AFB
 J. F. Wall (c)
 RALEIGH
 W. E. Austin (g)
 W. E. Forrest (g)
 A. V. Hardy (c)
 D. G. Harris (c)
 O. O. Kimrey (efg)
 H. E. LeGrand (abdg)
 J. F. Lutz (g)
 E. D. Miller, Jr. (abdeh)
 E. B. Moore (cg)
 J. Van Schillegaarde (cg)
 WAYNESVILLE
 M. J. Gilbert (cg)
 WILLIAMSTON
 G. G. Wyrick (ag)
 NORTH DAKOTA
 ARGUSVILLE
 L. M. Ganges (c)
 BISMARCK
 A. L. Eichelberger (c)
 H. G. McCreary (c)
 J. B. Shjeld (c)
 GRAND FORKS
 J. W. Brookhart (efg)
 R. H. Mickelson (g)
 RIVERDALE
 R. V. Oehler (g)
 TIOGA
 C. G. Condon (abdeh)
 WILLISTON
 K. A. Madenwald (befg)
 OHIO
 ADA
 N. N. Gumaji (cg)
 ADENA
 R. W. Morden (abdeh)
 BOWLING GREEN
 L. R. Coash (beh)
 J. E. Miller (ed)
 CINCINNATI
 T. W. Bendixen (cg)
 B. K. Gilecrest (g)
 P. A. Humphrey (c)
 W. F. Jenks (fh)
 H. O. Kruse (cd)
 L. M. Taubner (g)
 J. P. Lodge, Jr. (c)
 F. Pooler, Jr. (c)
 W. E. Ray (cg)
 C. M. Relyea (c)
 D. B. Turner (c)
 CLEVELAND
 H. F. Birkenhauer, S. J. (bc)
 B. S. Brownin (g)
 H. F. Donner (acf)
 E. L. Salko (abdeh)
 E. J. Walter (bc)
 COLUMBUS
 R. J. Anderson (de)
 D. Anthony (a)
 E. G. Barron (g)
 W. J. Blackburn, III (ab)
 J. B. Case (a)
 A. d'Audiffret (cg)
 K. I. Daugherty (a)
 J. D. Define (a)
 R. E. Dedson (g)
 G. D. Dove (c)
 F. J. Doyle (a)
 J. A. Foster (bfh)
 A. H. Frazier (ag)
 N. A. Frazier (adh)

- R. P. Goldthwait (begh)
 L. E. Greco (a)
 C. R. Greenwalt (a)
 W. A. Heiskanen (abedefgh)
 O. H. Jeffers (cg)
 E. A. Johnson (ag)
 R. L. Jones (adfh)
 L. A. Kivioja (g)
 F. H. Klaer (g)
 R. A. Krieger (g)
 T. Krumm (g)
 C. A. Lamey (defgh)
 B. F. Marston (g)
 K. W. McClure (a)
 I. Mueller (ad)
 P. E. Needham (ad)
 P. M. Pepper (acd)
 L. T. Pierce (c)
 H. J. Pincus (eh)
 G. R. Price, Jr. (bfg)
 J. B. Schreiter (a)
 G. O. Schwab (cg)
 C. B. Sclar (abefh)
 G. R. Smith (cg)
 R. E. Smith (cefh)
 W. L. Smith (defh)
 A. M. Spieker (g)
 E. M. Spieker (gh)
 G. S. Taylor (g)
 T. J. Thiel (g)
 U. A. K. Uotila (abd)
 E. Van Cleef (cdh)
 B. S. Vimeke (g)
 E. F. Vines (a)
 E. E. Webber (g)
 G. W. Whetstone (g)
 H. L. White (a)
 G. W. Wukelic (cd)
 C. V. Youngquist (g)
- COSHONCT**
 F. R. Dreihelbis (g)
 L. L. Harold (g)
- DAYTON**
 W. J. Best (bc)
 C. C. Chambers (g)
 J. A. De Pae (cd)
 H. E. Fox (abdh)
 H. A. Milley (cd)
- DELAWARE**
 T. N. Bobrovnikoff (a)
 W. P. Cross (cg)
- CLEVELAND**
 J. N. Hanson (d)
- FAIRBORN**
 H. D. McIntyre (c)
- FINDLAY**
 The Ohio Oil Co.
- DENISON**
 C. E. Graham (bh)
- GRANVILLE**
 M. W. Major (abde)
- GROVE CITY**
 S. E. Norris (g)
- HILLIARDS**
 C. J. Hahn (g)
 W. H. Lewellen (g)
- MILFORD**
 W. S. Updegrove (abd)
 M. T. VERNON
 O. S. Adams (a)
- NEW PHILADELPHIA**
 R. D. Whipkey (g)
- OXFORD**
 J. E. Bever (fh)
 SANDUSKY
 R. P. Hartley (cg)
 J. L. Verber (g)
- TOLEDO**
 W. H. Miller (c)
- VANDALIA**
 D. J. Roe (g)
- WARREN**
 F. Branden (c)
 WORTHINGTON
 S. H. Laurila (ac)
 YELLOW SPRINGS
 E. Bieri (c)
 M. R. Hunt (cd)
- OKLAHOMA**
BARTLESVILLE
 R. C. Loring (bh)
 Phillips Petroleum Company
 E. G. Piety
 K. G. Redman (abdefgh)
 W. B. Weeks (bh)
BLACKWELL
 F. C. Montgomery (dg)
CLINTON SHERMAN AFB
 J. F. Hebert, Jr. (e)
DUNCAN
 F. Gomis (acg)
LINDSAY
 W. H. Reeves (bdh)
MIAMI
 J. H. Speer (beegh)
NORMAN
 C. J. Bollinger (ceg)
 M. M. Cassidy (abdefh)
 W. L. Hiss (bcf)
 S. M. Levy (abdh)
 A. A. Melton (efgh)
 J. A. E.-F. Norden (abdefh)
 H. H. Peden (abeg)
 N. H. Ricker (abdegh)
OKLAHOMA CITY
 J. Bemrose (ab)
 M. B. Berger (g)
 E. E. Roehrer (bd)
 E. L. Coventon (bf)
 W. B. Duggan (fh)
 W. B. Jorner (d)
 F. W. Kennon (g)
 L. L. Laine (g)
 R. L. Moore, Jr. (bf)
 J. A. Pruett (cg)
 W. A. Schild (bf)
 C. B. Smith (b)
- PONCA CITY**
 J. M. Crawford (a)
- STILLWATER**
 W. O. Ree (g)
- TULSA**
 A. J. Barthelmes (b)
 T. J. Bevan (abdfh)
 R. L. Bingham (ab)
 W. T. Born (b)
 F. E. Brown (b)
 C. V. Campbell (eh)
 The Carter Oil Co.
 C. O. Clark (g)
 R. C. Coffin (abedgh)
 A. E. Coldwell (g)
 I. H. Cornish (cg)
 R. B. Cox (g)
 W. J. Cunningham (b)
 A. E. Denison (beg)
 H. K. Dolan (abdh)
 K. Dyk (bfh)
 W. R. Eckelmann (ef)
 J. E. Eisler (bd)
 A. W. Engle (abd)
 L. Y. Faust (b)
 R. E. Fearon (abd)
 H. B. Ferguson (bcd)
 C. V. Ferguson (bce)
 C. Ferris (abch)
 C. J. Fillebrown (bh)
 R. S. Finn (b)
 G. M. Forgoatso, Jr. (h)
 G. M. Friedman (f)
 Geophysical Research Corp.
 A. Gilmour (abdh)
 W. D. Hayes (b)
 A. J. Hickerson (cg)
 W. R. Holway (g)
 L. M. Jeffery (cg)
 V. F. Jennemann (beeh)
 F. R. Jones (cg)
 V. L. Jones (abdh)
 G. C. Kelley (cg)
 K. T. Kimball (abfh)
 A. J. Kochendorfer (abede)
 J. A. Kornfeldt (bdf)
 C. C. Lash (bde)
 A. I. Levorsen (abgh)
 R. D. Lynn (b)
 P. L. Lyons (abdh)
 A. Manhart (bd)
 S. T. Martner (abdfh)
 E. V. McCollum (abh)
- A. W. McCoy, III (bth)
 R. N. Meinert
 E. W. Moorman (b)
 A. N. Murray (beh)
 G. R. Newton (f)
 C. W. Oliphant (abdh)
 J. I. Roark (b)
 Pan American Petroleum Corp.
 W. B. Perry (abdh)
 R. A. Pohlly (abdefgh)
 M. E. Schmidt (g)
 B. F. Rummelfeld (abdh)
 C. Ryniker (bdfh)
 H. J. Schaefti (eh)
 M. E. Schmidt (g)
 Seismograph Service Corporation
 D. Silverman
 H. M. Thralls (b)
 S. Von Croy (bd)
 T. H. Voth (g)
 R. J. Watson (abdfh)
 B. B. Weatherby (bh)
 G. H. Westby (bd)
 R. W. Wiggins (g)
 R. A. Wise (b)
- OREGON**
BEAVERTON
 I. D. Allison (cg)
CANNON BEACH
 G. H. Canfield (g)
CORVALLIS
 G. L. Ashcroft (g)
 C. E. Behlke (g)
 W. V. Burt (ce)
 F. W. Decker (cg)
 G. D. Evans (abdefgh)
 R. L. Wilson (g)
- GRESHAM**
 H. W. Firman (bg)
IONE
 K. J. Smouse (acg)
LA GRANDE
 D. M. Bishop (cg)
 M. W. Trappe (cg)
MCMINNVILLE
 R. E. Jones (d)
MEDFORD
 A. B. Harris (acg)
NORTH POWDER
 J. R. Kerns (g)
OSWEGO
 K. D. Earls (g)
 W. J. Leatham (ag)
- PENDLETON**
 G. M. Lee (cf)
- PORTLAND**
 T. C. Adams (ag)
 D. L. Aldridge (g)
 R. T. Beaumont (cg)
 N. Bethlahmy (cg)
 I. Bloch (cg)
 P. B. Boyer (cg)
 S. G. Brown (g)
 W. A. Browlie (g)
 L. L. Bryan (g)
 W. E. Bullard, Jr. (g)
 L. Deas (cg)
 E. R. de Luccia (bg)
 J. H. Dorroh, Jr. (g)
 E. G. Dunford (g)
 L. E. Dworaky (g)
 L. E. Ebling (g)
 E. S. Ellison (cg)
 H. J. Fittinger (cg)
 E. M. Flaxman (g)
 J. Friday (g)
 W. T. Frost (g)
 Z. R. Harper (g)
 W. A. Hart (fg)
 J. R. Heller (cg)
 R. W. Hultinger (cg)
 H. Hulsing (g)
 C. E. Jencks (cg)
 N. A. Kallio (g)
 D. W. Kuehl (g)
 B. L. Laird (g)
 E. B. Latham (a)
 N. H. Leopold (g)
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 H. M. McIntyre (cg)
 G. R. Meigs (g)
 P. Merrill (g)
 C. E. Mohler (g)
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 G. C. Nielson (g)
 R. P. Olsen (ag)
 H. M. Orem (cg)
 C. Pedersen (cg)
 G. E. Philippen (g)
 K. J. Phillips (cg)
 A. J. Polos (g)
 D. M. Rockwood (cg)
 M. S. Sachs (g)
 V. P. Schermerhorn (edg)
 J. C. Stevens (g)
 A. N. Stewart (abde)
 J. Summersett, Jr. (g)
 M. E. Thoms (g)
 L. B. Willoughby (cg)
 R. A. Work (g)
 L. L. Young (g)
- SALEM**
 W. S. Bartholomew (g)
 R. C. Edgerton (g)
 R. Morgall (g)
 P. H. Ortmann (cg)
 J. E. Seave (g)
THE DALLES
 S. C. Sargent (f)
- PENNSYLVANIA**
ALLISON PARK
 C. R. Joller (d)
AMBLER
 J. W. Mauchly (cd)
AVOCA
 R. E. Simmermacher (cg)
BALA CYNWYD
 A. W. Friend (cd)
BETHLEHEM
 K. E. Chave (bef)
 A. H. Fritz (ef)
 H. R. Gault (fh)
 G. R. Jenkins (ceg)
 B. Willard (beefh)
BLAKESLEE
 D. B. Miller (cg)
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 E. T. Heck (abdegh)
BRYN MAWR
 M. Morisawa (fg)
 E. H. Watson (abfh)
BUTLER
 F. W. Preston (fh)
CAMP HILL
 J. E. Barclay (g)
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 E. L. Sukowski (be)
CARNEGIE
 S. L. Bear (cg)
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 B. B. Cox (cegh)
CHURCHVILLE
 C. V. Pierce (abefgh)
VENANGO COUNTY
 W. M. Small (ceh)
CONESTOGA
 E. T. Schuilen (g)
DAUPHIN
 A. M. Lunetta (cg)
DRYSDALE
 D. G. McFarland (cd)
EAST LANSDOWNE
 A. G. Hely (g)
EASTON
 J. L. Dyson (g)
ELKINS PARK
 H. Jensen (ad)
FAIRLESS HILLS
 H. E. Gill (g)
GLENSHAW
 P. C. Wuenaschel (ab)
GROVE CITY
 F. C. Farnham (dh)

HARRISBURG
G. D. Bennett (g)
E. J. Coffey, Jr. (c)
H. Meisler (bigh)
E. P. Patten, Jr. (fg)
Ch. San Shu (acdg)
J. W. Wark (g)
HATBORO
A. M. Stoll (c)
HAVERTOWN
E. W. Gain (g)
HERSHEY
S. M. Longwill (g)
IRWIN
P. Greenlee (b)
JOHNSTOWN
D. G. Nitch (bc)
KING OF PRUSSIA
V. E. Lally (cd)
LAFAYETTE HILLS
L. M. Seavy (g)
LANCASTER
D. U. Wise (defh)
LANDSOWNE
L. B. Corwin (cg)
LEVITTOWN
E. C. Rhodehamel (bedefgh)
LEWISBURG
G. A. Irland (b)
LOCK HAVEN
H. F. Parker (g)
MALVERN
T. S. Goldsmith (ede)
MILFORD
W. R. Scott (g)
NEW KENSINGTON
F. Keller, Sr. (b)
NEWTOWN
F. Keller, Jr. (abcdfh)
NORRISTOWN
H. M. Mikami (defh)
OAKMONT
E. A. Eckhardt (abdh)
H. D. Hedberg (abdeh)
D. H. Smith (b)
OIL CITY
F. A. Johnson (a)
PALMERTON
R. M. Waring (bd)
PHILADELPHIA
W. B. Agocs (bd)
B. T. Bower (cg)
J. S. Burlew (fh)
N. C. Courtney (g)
D. E. Donley (g)
R. F. Dressler (ceg)
J. G. Kelley (a)
J. I. King (c)
H. Korkes (aleg)
I. Krawitz (cdcg)
N. R. Laden (g)
H. Meier (acd)
G. Mondrillo (cg)
G. Morgan (cg)
R. H. Rose (befg)
B. F. Santianni (acd)
C. F. Wicker (g)
PITTSBURGH
L. H. Bailey (ach)
E. L. Beutner (cg)
D'Appolonia (bedefgh)
J. G. Dorsett, Jr. (de)
H. C. Duercker (bcd)
T. A. Elkins (abdh)
C. R. Pettkie (befgh)
W. Gardner (bh)
W. B. Gealy (bfh)
R. E. Gray (bg)
W. W. Groff (b)
Gulf Research and Development Co.
S. Hammer (abdh)
W. E. Hanson (efg)
M. J. Hill (befh)
J. W. Hoffschwelle (b)
J. C. Lindwick, Jr. (cg)
J. D. Moody (befh)
M. Munkat (bdg)

I. A. Nadi (bcefh)
Nagy (b)
J. O'Donnell (abdh)
H. W. Patnode (gh)
C. R. Peltz (igh)
J. I. Peters
T. L. Reilly (cg)
O. F. Ritzmann (bdh)
H. Rockwood (cg)
R. E. Rogal (cg)
H. Silanetta (abeg)
F. E. Stelson
P. F. H. Wang (abdefgh)
R. D. Wyckoff (bdg)
ROSEMONT
J. T. C. Yen (gh)
SCOTTDALE
M. W. Zook (ceg)
SOLEBURY
F. T. McClintock (ede)
SOUTHAMPTON
G. T. Moore (cd)
STATE COLLEGE
P. L. Blue, Jr. (cg)
F. F. Fish, Jr. (bb)
F. F. Herzog, II (abdh)
P. M. Lavin (abdh)
H. M. Mitchell, Jr. (bcf)
C. M. O'Neil (c)
S. Shults (ceg)
V. Withstandley, III
(abedefgh)
SWARTHMORE
W. B. Keighton (g)
M. A. Pomerantz (d)
TRAFFORD
F. A. Bender (abedefgh)
UNIVERSITY PARK
A. K. Blackadar (ceg)
S. A. Bowhill (d)
R. L. Brody (g)
F. Caruccio (h)
S. W. Crawford (befh)
C. Crowe (bdh)
R. T. Duquet (ceg)
C. Hoeller (c)
R. H. Howe (g)
B. F. Howell, Jr. (abcdh)
H. H. Neuberger (bch)
H. A. Panofsky (g)
C. W. Racer, Jr. (d)
J. C. Redmond (abdh)
L. M. Ridley (c)
W. J. Ross (d)
R. F. Schmalz (efg)
E. R. Schmerling (d)
C. J. Smith (g)
O. F. Tuttle (fh)
A. H. Waynick (d)
B. A. Whisler (g)
UPPER DARBY
G. R. Hall (g)
J. W. Karban (cg)
H. W. Lull (g)
F. H. Olmsted (fg)
VILLANOVA
L. A. Frakes (abh)
F. H. Larson (cg)
WALLINGFORD
C. B. Bazzoni (bedeh)
F. K. Davis, Jr. (c)
WASHINGTON
G. E. McVehill, Jr. (c)
C. L. Mitchell (c)
WAYNE
H. W. Kinnan (c)
WEST PITTSFORD
R. T. Gill (be)
YARDLEY
J. C. Rosenau (cg)
PUERTO RICO
A. Aguilar, Jr. (g)
T. Arnoff (g)
D. B. Bogart (g)
I. G. Grossman (bfh)
D. C. McDowell (c)
J. N. Roberts (g)
M. Vazquez (bd)
J. D. Weaver (dh)

RHODE ISLAND
EDGEWOOD
C. E. Shaw, Jr. (g)
KINGSTON
F. T. Dietz (be)
NEWPORT
A. J. Drummond (c)
S. F. Krolczyk (ce)
PROVIDENCE
C. W. Brown (bcefh)
F. D. Eckelmann (f)
C. Freeman (bf)
A. W. Quinn (abfgh)
WARWICK
A. C. Chick (bcg)
R. E. Lynde (ce)
WOONSOCKET
N. J. Oliver (d)
SOUTH DAKOTA
BROOKINGS
L. O. Fine (g)
M. M. Fogel (cg)
E. M. Frisby (c)
J. R. Runkles (g)
HURON
W. T. Dodge (cg)
W. H. Wells (c)
R. A. Wilkens (g)
RAPID CITY
J. L. Appleton, Jr. (ceg)
E. L. Tullis (bdgh)
SIOUX FALLS
J. R. Smith (c)
VERMILLION
H. D. Carlson (f)
W. A. Pettyjohn (ef)
R. E. Stevenson (bf)
SOUTH CAROLINA
AIKEN
C. W. Thornagate (ceg)
CHARLESTON
W. Candrick (cg)
A. E. Cummings (ce)
M. W. Gwinner (cg)
CHESTER
O. B. Eckhoff (bh)
CLEMSON
T. V. Wilson (g)
COLUMBIA
C. J. Champion, Jr. (ceg)
W. W. Evert (g)
H. von N. Flinisch (ceg)
A. E. Johnson (g)
G. E. Siple (abefg)
S. Taber (bcefhg)
F. W. Wagener (g)
GREENVILLE
E. W. G. Klemann (c)
SPARTANBURG
E. F. Carmichael (g)
J. W. Roehl (g)
TENNESSEE
CHATTANOOGA
J. S. Cragwall, Jr. (g)
W. R. Eaton (g)
L. F. Grant (bf)
N. H. Williams (cg)
ELIZABETHTON
E. S. Daly (g)
ERWIN
C. E. Hunter (bf)
KNOXVILLE
C. T. Barker (bg)
A. Blumensderfer (cg)
W. A. Bowmaster (cg)
W. B. Brown, Jr. (cg)
B. J. Buehler (cg)
A. S. Fry (cg)
R. W. Johnson, Jr. (dfh)
B. C. Moneymaker (bg)
D. W. Newton (ceg)
T. Price (acdg)
J. M. Richards (cg)
E. J. Rutter (g)
R. E. Shanks (cg)

J. Smallshaw (cg)
W. M. Snyder (cg)
LOUISVILLE
R. P. Betson (cg)
MEMPHIS
W. H. Banks (cf)
E. M. Cushing (g)
P. H. Jones (g)
L. King (cg)
G. T. Stephens (c)
P. C. P. Sun (aceg)
NASHVILLE
H. J. Blazek (g)
J. T. Mitchell, Jr. (g)
A. G. Schafer (cg)
H. J. Smith (c)
R. G. Stearns (h)
C. W. Wilson, Jr. (a)
NORRIS
R. A. Elder (g)
OAK RIDGE
W. de Laguna (g)
R. M. Richardson (dg)
SEAWANEE
E. McCrady (bfh)
SIGNAL MT.
C. Wells (g)
TEXAS
AMARILLO
R. L. Barber (bedfh)
P. W. Nygren (befgh)
E. L. Pemberton (g)
AUSTIN
R. C. Baker (g)
V. E. Barnes (aeft)
H. R. Bentley (ceg)
S. D. Breeding (cg)
F. M. Bullard (ef)
S. E. Clabaugh (fh)
G. G. Commons (cg)
L. H. Crain, Jr. (bch)
G. Cronin (abfg)
F. W. Daugherty (fgh)
R. K. DeFord (g)
D. H. Eargle (g)
E. Flawn (fg)
W. O. George (g)
J. R. Gerhardt (ce)
W. H. Goines (g)
W. F. Guyton (g)
L. W. Horton (abh)
J. L. Hubbard (c)
D. S. Hughes (abeh)
E. Ingerson (fh)
H. W. Ireton (cg)
M. L. Klug (g)
L. J. B. LaCoste (abh)
J. J. Ledbetter (g)
P. P. Livingston (g)
J. L. Lonsdale (fgh)
E. L. Lowry (cg)
W. T. McCutchen (f)
W. L. Moore (cg)
C. W. Morgan (acg)
F. J. Morris (d)
E. H. Moulder (g)
W. R. Muehlberger (efgh)
R. M. Pettit, Jr. (g)
H. S. Rathiff (abcd)
C. Reed (b)
K. W. Richardson (cg)
J. P. Roston (bg)
B. E. St. John (ch)
M. G. Schwab (cg)
R. M. Stout (abedgh)
R. W. Sundstrom (g)
T. Twitchell (c)
C. T. Welborn (g)
A. G. Winslow (ag)
A. Wood (fg)
K. Young (ah)
RAIRD
C. P. Porter (abedefgh)
BEAUMONT
S. Aronow (g)
J. W. Millington (abd)
B. E. Richard (d)
BELLAIRE
L. E. Borgman (e)
B. D. Lee (b)
P. H. Masson (fh)

GEOGRAPHICAL LIST OF MEMBERS

111

J. R. Moore, III (eh)

H. Ode (b)

J. W. Phillips (abd)

J. H. Rosenbaum (bef)

D. C. Van Sickle (ab)

BIG BEND NAT'L PARK

C. H. McCurdy (d)

BROWNSVILLE

S. S. Nye (g)

BRYAN

S. L. Barnes (ceg)

L. R. A. Capurro (e)

V. E. Moyer (ede)

C. C. St. Clair (cd)

C. R. Sparger (ce)

CISCO

R. E. Lee (abdfh)

COLLEGE STATION

R. G. Bader (e)

T. K. Bhattacharyya (abd)

H. R. Blank (g)

D. K. Chowdhury (abd)

R. Clark (ceg)

J. D. Cochran (e)

P. Delhinger (abch)

A. C. Duxbury (e)

G. A. Franceschini (ce)

D. E. Henry, Jr. (e)

D. W. Hood (de)

A. M. Kahan (ceg)

K. Kajiura (ceg)

D. F. Leipziger (ce)

J. R. Lumby (e)

H. J. McLellan (e)

K. Park (ef)

C. L. Peabody (ce)

D. H. Peterson (bh)

B. O. Reid (cd)

C. J. Samuels (c)

W. J. Saucier (c)

J. R. Smith (ef)

B. W. Wilson (ceg)

CORPUS CHRISTI

L. B. Clarkson (b)

W. F. Flennig (b)

J. J. Phillips (b)

W. A. Price (ceg)

F. R. White (abedefgh)

DALLAS

D. O. Acree (bh)

F. J. Agnich (abd)

L. A. Britton, Jr. (bfgh)

C. I. Alexander

C. R. Anderson (dh)

M. M. Backus (abdefh)

K. M. Barry (bd)

R. Bowman (bdh)

J. S. Bradley (eh)

H. H. Brown (b)

K. E. Burg (abdh)

H. L. Cobb (a)

T. E. Dennis (b)

C. J. Dunlap (eg)

F. K. Fisk (abedgh)

Geotechnical Corp.

J. A. F. Gerrard

M. F. Gillett (b)

H. G. Green (b)

A. H. Half (g)

W. D. Hamm (b)

S. N. Heaps (bcd)

W. B. Heroy (abfg)

W. B. Heroy, Jr. (abdh)

W. E. Heroy

E. Herrin (b)

J. H. Hoke (bef)

F. T. Johnston (h)

M. P. Jones (ab)

V. H. King (abfgh)

E. R. Kinsley (abd)

L. W. MacNaughton (eg)

Magnolia Petroleum Co.

R. H. Matthews (b)

R. Mayer, Jr. (bd)

M. D. McCarty (bde)

E. McDermott (abdh)

E. W. McLemore (eg)

D. A. McNaughton (g)

W. G. Meyer (bh)

C. G. Morgan (bef)

P. E. Nash (abedfgh)

E. B. Neitzel (bd)

R. E. Nelson (abdef)

W. W. Newton (b)

R. W. Olson (bd)

V. E. Oppenheim (efh)

B. J. Patton (d)

H. B. Peacock (abdh)

W. R. Ransome (abefg)

D. S. Renner (b)

R. E. Rettger (abh)

E. D. Riggs (b)

C. E. Roberts (g)

C. J. Rollins (b)

F. Romberg (bh)

W. B. Roper (a)

E. E. Rossie (abdfgh)

H. W. Rose (abdh)

R. H. Schweers (edefgh)

E. R. Scott (bedgh)

W. E. Sell (abd)

G. F. Shepherd (bd)

W. B. Sherman (cd)

R. C. Shoppard (b)

F. O. Swigart (ceg)

T. D. Tatch (bdh)

Texas Instruments Inc.

R. M. Tripp (abdh)

E. G. Trostle (abdh)

G. Vorbe (bgh)

R. A. Warner (fgh)

K. A. Wasson (b)

R. E. Wheeler (ce)

E. M. Wilkins (c)

H. F. Williams (e)

H. F. Wise (bh)

C. P. Woods (b)

R. W. Wylie (bd)

DENISON

W. B. Hemphins (bf)

DODSON

T. E. Lennon (c)

DUMAS

W. H. Alexander, Jr. (cg)

EL PASO

E. F. Friedkin (g)

E. E. Hamlyn (a)

L. H. Henderson (fgh)

T. E. Henderson (g)

W. F. Resch (g)

P. F. Ruotula (fh)

H. S. Slusher (cdh)

G. W. Smith, Jr. (acg)

W. L. Webb (cdg)

FT. BLISS

E. R. Leggat (g)

FORT WORTH

F. L. Aurin (b)

W. D. Baird (ab)

R. J. MacConnell (eg)

B. R. Berger (bgh)

E. L. Burnett (g)

H. R. Drew (ceg)

D. G. Egan (bedgh)

J. C. Evans (befg)

S. W. Freese (cg)

P. S. Groginski (abedfgh)

E. L. Hardy (cg)

S. Harris (b)

C. J. C. Harvey (bgh)

K. D. Heald (bd)

H. E. Hendricks (fh)

H. E. Itten (b)

R. H. Lang (b)

P. H. Leydard (b)

M. B. Widesse (abedfgh)

S. B. Maner (g)

H. Matson (g)

C. Miron (g)

J. Miron (d)

J. T. Morris (bd)

K. V. Speeg (cg)

D. E. Stephenson (bg)

C. H. Thurber (b)

R. H. Wesley (bgh)

M. B. Widesse (abedfgh)

H. E. Wilson (abdh)

W. E. Wood (cg)

GALVESTON

E. H. Brown (g)

J. G. Taylor (ceg)

GRAND PRAIRIE

G. R. Tenery (acd)

GROVES

A. F. Wolford (c)

HOUSTON

J. L. Adler (abdfh)

R. B. Anders (cefg)

J. T. Barnhart (abdefh)

L. T. Barrow (abeg)

E. Baskir (d)

B. B. Baum (b)

O. Bell (abce)

M. L. Benke (b)

J. L. Bible (abdh)

B. P. Bishop (d)

L. W. Black (bdh)

L. W. Blumberg (bedeg)

M. A. Bohannon (b)

T. W. Bonner (d)

O. L. Brace (bc)

A. B. Bryan (abd)

S. E. Buckley (g)

S. H. Buckley (d)

J. Bush (e)

M. F. Carman, Jr. (abdfh)

E. Chappelaar (e)

C. J. Charack, Jr. (b)

J. R. Cornett (b)

H. P. Coster (b)

C. Cronis (ceg)

W. J. Davis (bdh)

J. C. de Bremeaeker (bh)

A. P. Delflaache (bde)

M. A. Dillingham (g)

J. H. Dunaway (bc)

M. M. Englund (b)

Z. W. Falcone (eg)

J. B. Farr (b)

C. H. Fay

H. N. Fisk (gh)

F. French (bd)

G. H. Gardner (bh)

Geophysical Associates Inter-

national

F. Goldstone (abdh)

H. E. Gould (efg)

A. B. Hamil (b)

J. W. Hamdin (abefgh)

M. A. Hanna (ceg)

T. H. Haragan (c)

T. I. Harkins (b)

G. H. Harrington, Jr.

(abdefh)

J. T. Hartman (abdh)

J. V. Higgs (fr)

R. C. Hiltom (bdh)

M. K. Horn (bdefh)

L. Horovitz (abd)

L. G. Howell (abd)

M. W. Howells (beh)

K. J. Hsu (fh)

C. W. Huang (g)

M. K. Hubbard (abdefgh)

J. S. Ivy (b)

R. M. Jeffords (g)

H. J. Jones (bh)

F. M. Kannenstine (b)

R. F. Kaser (g)

R. H. Khan (bode)

R. O. LaRue (b)

E. G. Leonardson (bfgh)

G. M. Mace, Jr. (b)

M. R. MacPhail (abdh)

W. H. Mannes (bdg)

D. G. Martin (bfgh)

K. G. McCann (b)

B. McCollum (bd)

E. T. Miller (bd)

R. D. Miller (bedh)

L. J. Moody (bfgh)

L. M. Mott-Smith (ad)

P. H. Nelson (e)

L. H. Nettleton (abdh)

C. B. Officer (abe)

N. D. Odyke (dfh)

R. Ordine (be)

C. C. Palmer (bcd)

G. R. Pickett (b)

D. C. Pontius (befg)

G. W. Postma (bdh)

B. O. Prescott (bg)

N. B. Proctor (bedfh)

J. R. Randolph (bh)

R. H. Ray (ab)

V. L. Redding (beh)

M. J. Rieger (abdh)

W. L. Roever (bd)

J. I. W. Rogers (f)

F. W. Rolshausen (egh)

R. A. Rowland (abgh)

W. E. A. Ruska (d)

Ruska Instrument Corp.

W. M. Rust, Jr. (abd)

R. L. Sargent (ab)

J. H. Saseen (bdh)

J. H. Schander (bdh)

H. Schmidt (b)

J. P. Schumacher (abdh)

H. A. Sears (b)

B. J. Shearer (ceg)

Shell Development Co.

E. J. Shimek (bede)

S. E. Sims (ab)

N. J. Smith (abdeh)

N. D. Smith, Jr. (b)

G. B. Somers (bedh)

C. M. Sowers (fh)

R. J. Stanton, Jr. (fh)

N. C. Steeland (bdh)

E. F. Stratton (bfh)

E. Strick (be)

R. C. Sweet (abe)

H. Szczepankiewicz (bfgh)

E. F. Taylor (ach)

E. Taylor (b)

R. E. Taylor (adeg)

R. R. Thompson (bd)

M. P. Tixier (bd)

C. B. Vogel (bd)

A. J. Wadsworth, Jr.

(bfgh)

J. F. Waldron (g)

H. C. Warren (b)

P. Weaver (bedg)

S. P. Worden (a)

P. K. Weyl (ef)

M. Williams (aefh)

A. Wolf (bdh)

C. S. Wolston (ab)

S. P. Worden (a)

C. C. Zimmerman (abdh)

N. N. Zizel (bdh)

IRVING

J. H. Halsey (fh)

KILGORE

RIESEL

W. B. Baird (cg)

SAN ANGELO

G. H. Hughes (cg)

V. J. LaForge (ab)

J. L. Moore (b)

SAN ANTONIO

W. Brann (acd)

E. Brown (g)

W. W. Carter, Jr. (b)

J. C. Cook (bd)

J. C. Deal (acg)

J. W. E. Edmonson (abdh)

S. Garza (g)

A. F. Hasbrook (abe)

J. L. Howell (ceb)

A. A. Jergins (bb)

R. D. Mebane (befh)

P. E. Narvarte (b)

E. W. Owen (ef)

J. O. Parr, Jr. (abdh)

D. E. Petty (abdh)

O. S. Petty (abdh)

T. B. Portwood, Jr. (abdh)

D. H. Rowden (befgh)

H. A. Seran (a)

W. L. Stapp (a)

R. W. Stover (bdh)

G. A. Thompson, Jr. (g)

SEGUIN

R. K. Blumberg (b)

SHERMAN

H. L. Schifflett (ad)

SINTON

R. D. White (gh)

STINNETT

D. R. Alexander (abfgh)

TYLER

J. R. Bunn (h)

Y. S. Hudnall (abgh)

G. J. Loetterle (beg)

E. A. Wendlandt (abh)

WACO

T. E. Darby (h)

A. A. Hartman (g)

G. L. Lanman (abcefg)

WHITE DEER

A. T. Long (bfgh)

WHITESBORO

M. T. Bentley (a)

WICHITA FALLS

T. A. Bradley (bh)

T. B. Stanley, Jr. (ag)

UTAH

ALTA VIA SANDY

E. R. LaChapelle (g)

BOUNTFUL

E. L. Peck (cg)

HANKSVILLE

D. F. Healy, III (abdefgh)

LOGAN

W. Gardner (gh)

C. T. Hardy (bd)

R. W. Hibbert (cg)

O. W. Israelson (g)

W. N. Jibson (ag)

D. F. Peterson, Jr. (acg)

S. A. Taylor (g)

C. L. Wiegand (cg)

OGDEN

R. W. Bailey (g)

G. W. Craddock (g)

A. R. Croft (g)

J. O. Reeve (g)

OREM

R. H. Chapman (adh)

PROVO

D. K. Fuhrman (g)

RICHFIELD

R. A. Young (g)

ST. GEORGE

R. V. Wyman (defgh)

SALT LAKE CITY

T. C. Adams (abg)

W. E. Anderson (g)

J. W. Berg, Jr. (bh)

R. E. Cabell (g)

F. W. Christiansen (bfh)

K. L. Cook (bdh)

J. K. Costain (abdh)

A. J. Eardley (h)

M. S. Ginsburg (abce)

M. E. Granger (f)

D. Hager (h)

J. V. Hales (cdg)

H. H. Hembree (efg)

W. V. Iorns (g)

I. W. Marine (g)

E. J. Mateker, Jr. (abd)

D. E. Miller (bh)

H. D. Narans, Jr. (abd)

W. T. Nightingale (bdfh)

G. L. Oakland (g)

D. A. Phoenix (g)

W. W. Finger (dh)

F. A. Rechart (acg)

J. K. Reid (g)

W. A. Rinehart (bh)

L. W. Stokes (gh)

A. P. Taylor (f)

A. Vikane (abefgh)

H. A. Waite (acgh)

C. H. Wilson (abd)

M. T. Wilson (cg)

L. C. Wood (bdh)

SANDY

C. J. Wideman (abd)

VERNAL

R. R. Brewer, Jr. (bdh)

VERMONT

BURLINGTON

J. A. Root (ag)

ESSEX JUNCTION

C. G. Doll (h)

MONTPELIER

W. M. Cady (fh)

A. H. Chidester (fh)

PLAINFIELD

M. L. Johnson (efgh)

SHELburne

H. N. Stapleton (cg)

SOUTH LONDONDERRY

D. T. O'Connell (befh)

VIRGIN ISLANDS

ST. THOMAS

D. Parson, Jr. (ede)

VIRGINIA

ALEXANDRIA

J. K. Angell (c)

D. M. Bowie (ef)

B. G. Brooks (b)

T. T. Brown (de)

J. E. Caskey, Jr. (ceg)

M. J. Colvin, Jr. (b)

J. L. Evans, Jr. (bfg)

G. E. Gillis, Jr. (gh)

G. H. Hickox (g)

R. W. Hoover (c)

J. N. Jordan (bh)

L. F. Kengle, Jr. (e)

M. M. Kenney (a)

H. E. La Gow (acd)

R. J. List (c)

P. A. Lutz (ce)

W. R. McCutchen (h)

E. B. Meadows (cd)

B. A. Melton (b)

I. H. Meredith (d)

J. A. Minogue (acg)

R. M. Moxham (a)

R. H. Nesbitt (abdefgh)

M. M. Smith (cd)

L. A. Smitherman (hd)

E. M. Trent (ed)

D. J. Weigle (bdefh)

J. E. Woolhiser (e)

ANNANDALE

W. H. Durum (g)

J. H. Rasmussen (cg)

W. W. Romig (ab)

ARLINGTON

L. K. Acheson, Jr. (d)

L. Alpert (ceg)

H. C. Drossier (cg)

M. A. Benson (cg)

S. H. Birdseye (a)

A. N. Bove (befh)

M. E. Britton (abdefgh)

M. E. Granger, III (beg)

W. T. Collins (cg)

J. R. Crippen (cg)

H. Dembowski (cg)

G. E. Drossier (c)

W. S. Eisenlohr, Jr. (g)

E. G. Engle, Jr. (c)

W. R. Farley (cg)

G. E. Ferguson (g)

F. G. Finger (c)

E. F. Ford (cg)

D. H. Gilchrist (a)

D. H. Gleason (bcd)

R. G. Grassy (abdefgh)

B. Grote (bg)

J. C. Hagan (ceg)

F. Hall (ce)

A. P. Hand (a)

D. R. Harris (c)

R. A. Hertler (g)

B. L. Hobbs (g)

F. W. Hough (ab)

H. W. Hudson (c)

D. K. Jenkins (a)

S. Jenkins (g)

F. H. Kratz (ae)

H. W. Larsen (abdfgh)

A. H. Mason (ag)

N. C. Matalas (cg)

F. L. Meara (gh)

G. N. Mennier (cefg)

C. P. Mook (c)

J. H. Nelson (bd)

E. H. Rutschmidt (a)

J. K. Searcy (g)

P. A. Siple (ch)

P. A. Smith (ae)

F. F. Snyder (cg)

H. A. Swenson (g)

U. H. Uffman, Jr. (e)

R. C. Vetter (c)

R. O. Williamson (a)

BLACKSBURG

D. V. Dalton (fg)

H. M. Morris (cgh)

F. J. Quinlan, Jr. (efgh)

C. E. Sears (abd)

CHARLOTTESVILLE

N. A. Benfer (e)

J. L. Calver (fg)

W. A. Gambrell (g)

W. A. Nelson (bdch)

E. H. Ogilvie (g)

E. C. Stevenson (d)

C. B. Yost, Jr. (dfgh)

CHURCHVILLE

A. Bevan (bgh)

CORBIN

J. L. Bottom (bd)

R. E. Gebhardt (bcd)

J. B. Townshend (d)

FAIRFAX

W. B. Foster (ce)

L. L. Mangler (g)

G. B. Massey (cg)

D. E. Nunn (cg)

FALLS CHURCH

G. L. Bowie (cg)

R. W. Carter (cg)

S. C. Coker, Jr. (ad)

H. L. Croon (cd)

C. E. Ewing (ac)

W. H. Geddes (d)

R. G. Godfrey (cg)

L. C. Gottschalk (bg)

A. R. Green (g)

R. E. Hanson (bcd)

D. L. Kline (c)

L. A. Koffman (g)

L. Lassen (g)

L. Machta (c)

N. A. Matson (c)

C. E. McCombs (a)

R. A. Ottman (g)

A. A. Poling, Jr. (a)

L. O. Quam (cg)

H. C. Riggs (g)

W. J. Schneider (g)

C. F. S. Sharpe (cg)

W. F. Somers (g)

T. S. Southwick (cg)

A. J. Steele (c)

J. P. Webber (c)

M. V. B. Wells (g)

H. Wesler (c)

FT. BELVOIR

D. L. Bean (b)

W. C. Cude (a)

FREDERICKSBURG

J. D. Rietman (bd)

HAMPTON

J. T. Bradbury (abe)

HERNDON

R. M. Harding (cg)

LEXINGTON

K. F. Bick (f)

E. W. Spencer (bgh)

LORTON

P. Bartsch (cg)

LUCKETS

W. F. Ware (g)

MANASSAS

S. Krasnow (abdefgh)

MCLEAN

W. C. Griffin (cg)

H. B. Harshbarger (c)

D. H. Pack (abcd)

MIDDLEBURG

MOUNT VERNON

M. L. Phillips (cd)

NORFOLK

H. J. Fine (cg)

J. F. Miller (cg)

A. L. Morris (cg)

D. A. Rex (abefgh)

FORT LEE

H. H. Rasche (c)

PURCELLVILLE

I. E. Gaskill (a)

L. G. Lauré (a)

RICHMOND

E. L. Hockman (abdefgh)

G. F. Kennedy (ce)

A. L. Pond, Jr. (cg)

S. S. Schworm (cg)

G. S. Sydnor, Jr. (g)

RIDGEWAY

K. E. Hanson (cg)

SANDSTON

F. L. Dix (bcd)

SOUTH BOSTON

W. E. Patten (g)

SPRINGFIELD

D. L. Broyles (ah)

A. H. Predsin (bd)

R. W. Wilke (g)

STERLING

R. W. Stallman (g)

UPPERVILLE

E. B. Burwell, Jr. (bfgh)

GEOGRAPHICAL LIST OF MEMBERS

113

MARSHALL

L. L. Oriard (hg)
MERCER ISLAND
R. T. Gregory (e)

OLYMPIA

W. A. G. Bennett (fgh)
R. H. Russell (g)

PASCO

R. E. Brown (fh)

PROSSER

S. J. Mech (g)

PULLMAN

C. A. Barker (cg)
C. E. Culver (bcf)
G. H. Dunstan (cg)
W. H. Gardner (g)
J. M. Hoffer (df)
E. A. Roberson (g)
E. R. Tinney (g)

RICHLAND

L. H. Ames, Jr. (f)
D. W. H. Bierschenk (g)
D. J. Brown (sf)
W. G. Cower, Jr. (cg)
R. J. Engelmann (c)
J. J. Fuquay (c)
A. T. Gifford (cg)
J. R. Raymond (g)
P. R. Rowe (g)

SEATTLE

F. I. Badgley (c)
C. A. Barkley (c)
R. A. Barnes (c)
R. H. Blank, Jr. (dgh)
C. W. Bowley (df)
E. B. Brown (ade)
E. C. Brundage (g)
K. Buettner (edg)
T. H. Campbell (g)
W. J. Campbell (ce)
R. J. Chang (cg)
P. E. Church (ceg)
L. T. Coogrove (bf)
Z. F. Dances (abd)
J. W. Deardorff (c)
Y. C. Doran (abde)
H. A. Downs (ceg)
C. E. Duchon (c)
A. J. Eisenberg (e)
R. G. Fleagle (ce)
R. H. Fleming (c)
R. E. Fuller (f)
J. A. Gast (e)
S. P. Geisel (fg)
P. A. Goldberg (d)
G. E. Goodspeed (bf)
E. M. Hansen (cd)
A. M. Hanson (cf)
A. E. Harrison (g)
J. H. Lincoln (e)
E. H. Linger (ceg)
J. H. Mackin (cg)
M. D. Magnuson (c)
R. D. Makela (cg)
P. M. McEllan (eg)
N. H. Miner (cg)
P. Misch (bh)
M. Miyake (cg)
F. Natella (ce)
F. Neumann (abd)
J. C. Noyes (cd)
F. R. Paquette (c)
F. J. Popper (abe)
M. Rattray, Jr. (e)
F. J. Reed (ce)
R. A. Richards (e)
F. J. Richey (cg)
W. Rue (bc)

A. A. Sanderman (efh)
S. D. Schwarz (bdf)
S. A. Skrinde (cg)
R. C. Staley (e)
N. C. Stoltenberg (g)
C. W. Thomas (e)
T. G. Thompson (ceg)
M. P. Wennekens (e)
H. O. Westby (g)
M. A. Wolf (abdg)

SPOKANE

R. O. Cox (c)
C. S. Hazen (g)

TACOMA

E. G. Bailey (g)
C. B. Bodhaine (g)
D. F. Calkins (g)
B. L. Foxworthy (g)
A. A. Garrett (g)
D. T. Higgins (acg)
F. A. Johnson (cg)
F. F. Lawrence (e)
M. F. Meier (ceg)
F. B. Roberts (cg)
J. A. Roller (g)
J. Savini (g)
W. D. Simons (gc)
F. M. Veatch (g)
VANCOUVER
D. J. Bauman (cg)
L. M. Bissell (c)
D. H. Hart (g)
L. H. Smith (fh)
R. L. Washburn (g)

VAUGHN

A. V. Leppan (g)
WALLA WALLA
M. J. Ord (cg)
A. C. Robertson (cg)
WENATCHEE
R. E. Helgeson (g)

WEST VIRGINIA

BUCKHANNOH

P. R. Hickman (efh)

ELKINS

G. R. Trimble, Jr. (g)

GREEN BANK

G. Reber (d)

HUNTINGTON

G. F. Connell (g)
R. W. Berndt (deh)

MONTGOMERY

V. G. Gabriel (abdefh)

MORGANTOWN

R. C. Colwell (c)
P. H. Price (bc)

PARSONS

A. R. Eschner (g)
K. G. Reinhardt (g)

WISCONSIN

APPLETON

A. C. Braun (cg)
J. W. Weiss (abdefgh)

BELOIT

J. D. Swannack (abg)
H. H. Woodward, Jr. (fh)

KAUKAUNA

L. D. McGinnis (b)

MADISON

J. C. Behrendt (abd)
H. F. Bennett (abdf)
R. D. Bentley (abdeh)
R. F. Black (gh)
A. A. Bryson (c)
R. H. Brigham (g)
C. Cook (e)
F. Daniels (f)
W. J. Drescher (g)
R. E. Emmons (adfh)
J. W. Forster (cg)
H. C. Haasek (cg)
C. L. R. Holt, Jr. (gh)
D. B. Hunt (g)
P. B. Klenz (cg)
A. T. Leuz (cg)
E. F. Le Roux (cg)
H. H. Lettau (cdch)
H. L. Mack (abd)
R. P. Meyer (abdefh)
G. J. Miatech (abed)
N. E. Minshall (g)
C. D. Moore (abefh)
W. B. Olmhausen (c)
N. A. Osteson (abe)
R. A. Ragotzkie (ce)
K. G. Renard (cg)
J. L. Slater (ab)
R. L. Slater, Jr. (e)
C. R. Stearus (ce)
J. Steinhardt (abd)
W. K. Summers (fg)

V. E. Suomi (cg)
C. B. Tanner (gh)
E. Thiel (abdeh)
J. Y. Wang (c)
G. F. Woodard (abd)

MIDDLETON

D. R. Clime (gh)

MILWAUKEE

M. J. Abrams (g)
E. F. Dosch (g)
J. J. Gilvary (d)
E. E. Rexin (bdfg)

PLATTEVILLE

H. A. Hashmi (b)

WAUWATOSA

A. R. Striegl (g)

WILLIAMS BAY

J. W. Chamberlain (d)
G. P. Kuiper (abdeh)

WYOMING

CASPER

J. R. Carter (g)
R. W. Craig (b)
W. H. Fenwick (abdh)
G. L. Haynes, Jr. (g)
R. L. Streeter (g)
B. A. Tuller (b)

CHEYENNE

E. D. Gordan (g)
E. Weeks (gh)

CODY

G. S. Buchanan (efh)

GREEN RIVER

E. B. Jones (cg)
G. T. L. Wongwai (f)

LARAMIE

R. W. Berndt (cg)
D. L. Blackstone, Jr. (bh)

RIVERTON

B. Mears (g)
W. R. Peters (g)

ROCK SPRINGS

L. R. Schueler (b)

WORLAND

T. F. Hanly (g)
G. L. Higgins, Jr. (hg)

FOREIGN COUNTRIES

CANADA

(by post offices)

ANTIGONISH

W. L. Whitehead (h)

BOWDEN

G. Fulford (bcefh)

CALGARY

B. W. Acheson (bd)
C. W. Beltz (bodeph)
W. E. Blakely (abh)
L. T. Braun (fh)
D. M. Brennan (bdfh)
A. I. Broscoe (g)
E. P. Collier (cg)
M. B. Dobrin (bdh)
H. L. Farney (b)
E. L. Fetzler (b)
J. G. Gray (beigh)
P. E. Gretener (bdefgh)
G. Gussow (h)
J. D. Hale (bdh)
W. R. Hanson (cg)
G. R. Hess (beh)
K. C. Hyaloff (bdch)
L. N. Ingall (abdh)
A. Junger (bfh)
W. A. Knox (a)
T. A. Link (h)
H. C. Maliphant (abdh)
M. Maxey (abd)
I. C. Mayfield, Jr. (b)
D. R. McCormack, Jr. (h)
T. W. Morrison (abdefgh)
W. H. Myers (bcd)
A. D. Nicolaou (bd)
A. E. Pallister (abde)
K. J. Parry (abcef)
A. R. Patterson (b)
D. C. Rimmer (abdefh)
N. M. Sargent (b)
P. J. Savage (abdeh)

A. E. Scheidegger (gh)
D. C. Skeels (abdefh)
R. C. Smith (ab)
W. F. Stacker (abdh)
H. H. Suter (befh)
G. J. Sykes (b)
G. L. Tait (bf)
G. L. Taylor (abdh)
C. B. Twardowski (bdh)
A. G. Underhill (g)
E. F. K. Zarudski (bhh)

CHALK RIVER

D. A. Keys (abd)

CHATHAM

W. D. MacDonald (adh)

COPPER CLIFF

J. J. D. Filo (cdf)

COTE ST. LUC

M. I. Kugelmaas (e)

CUMBERLAND

A. F. Buckham (h)

DAWSON CREEK

G. H. Weiss (b)

DON MILLS

F. T. Clifton (abdh)

EDMONTON

H. Baadsgaard (f)
A. W. Bally (efgh)
C. L. Cain (bd)
J. E. Cameron (b)
G. L. Cumming (bfh)
G. D. Garland (abdh)
M. A. Knock (b)
W. P. Ogilvie (bh)
D. Rankin (d)
J. P. Verschuuren (cg)
H. P. Wilson (ce)

ESQUIMALT

W. L. Ford (e)

FALCONBRIDGE

A. D. Mutch (abdefgh)

GUELPH

F. R. Hore (g)

HAILEYBURY

E. L. MacVeigh (h)

HALIFAX

J. E. Blanchard (bd)
J. S. Heaps (eh)

HAMILTON

H. M. C. DOCKYARD
J. R. Longard (e)

KIRKLAND LAKE

J. W. McBean (bdf)

KINGSTON

E. E. Watson (e)

LONDON

A. E. Beck (bdefh)
C. M. Carmichael (d)
A. Dreimanis (abf)
J. R. Kramer (f)
A. D. Misener (dh)
R. W. Nicholls (d)
R. W. Packer (ceg)
E. G. Pieva (cg)
R. J. Uffen (dfh)

MANOTICK

L. W. Morley (abdeh)

MAPLE

G. E. Anderson (beg)
G. K. Rolgers (de)

MEAFORD

R. M. Ellis (bfh)

MONTREAL

R. N. Boucher (g)
D. A. Bradley (fh)
L. Cartier (cg)
A. E. Collin (e)
H. M. Finlayson (g)
P. G. Gauthier (ab)
J. E. Gill (h)
H. Kaufman (bd)
C. Leblanc (bg)
G. Mariner (cg)
D. McIntyre (cg)
J. C. Morgan (g)
H. F. Morrison (abdefgh)

K. Mullenbeck (ag)
V. Sauli (bf)
E. R. Walker (c)
F. A. Zelinka (b)
NANAIMO
S. Tabata (ce)
J. P. Tully (ce)
M. Waldichuk (e)
N. VANCOUVER
E. D. Dodson (befh)
OTTAWA
A. M. Bancroft (bh)
C. S. Beala (a)
T. J. Blachut (ag)
K. H. Cameron (ce)
L. S. Collett (fh)
F. T. Davies (d)
E. Dawson (bdh)
P. M. DuBois (d)
L. A. Gale (a)
M. J. S. Innes (abdh)
J. E. Lilly (a)
J. D. Moller (cg)
J. H. Meek (cde)
E. R. Niblett (d)
M. S. Reford (abdh)
E. F. Roots (efh)
I. E. R. Ross (a)
P. H. Serson (d)
W. M. Tupper (f)
G. P. Williams (cg)
QUEBEC
G. O. Villeneuve (ceg)
QUEENSTON
L. L. Hearn (ceg)
RALSTON
G. H. S. Jones (bfh)
REGINA
R. G. Agarwal (bodefh)
W. M. Berry (g)
A. Lacey (g)
A. McKay (cg)
S. Osachoff (efgh)
O. W. Stemmler (b)
ST. ANDREWS
N. J. Campbell (e)
ST. JAMES
S. V. A. Gordon (c)
W. W. Ramsay (g)
ST. VAL D'OR
T. Koulozmine (d)
SASKATOON
A. R. Byers (h)
B. W. Currie (cd)
SENNETERRE
R. J. M. Miller (dfh)
TIMMINS
W. A. Jones (dfh)
TORONTO
G. J. J. Aleve (f)
D. A. Arjais (g)
R. S. Arden (g)
J. B. Boniwell (bdhg)
R. A. Boschart (bdhf)
R. J. Cook (adefh)
I. E. Currie (bfh)
R. M. Farquhar (dfh)
L. Gilchrist (acd)
D. K. A. Gillies (cg)
H. A. Harvey (bcdf)
S. B. Hasan (bfh)
G. R. Johnson (adh)
N. B. Keevil (bdhg)
C. B. Langford (fgh)
H. T. Lundberg (adh)
P. Price (abdfh)
P. S. Quan (g)
D. J. Salt (d)
H. O. Seigel (abdg)
D. W. Strangway (df)
E. T. G. M. Van Nierop (g)
F. West (bfh)
C. R. M. Williamson (b)
J. T. Wilson (h)
TRAIL
C. O. Swanson (def)
URANIUM CITY
P. R. Heenan (abfh)

VANCOUVER
J. A. Jacobs (df)
H. R. Kivisild (beeg)
W. H. Mathews (ag)
G. L. Pickard (fg)
H. L. Ramsden (g)
R. D. Russell (dth)
J. C. Savage (b)
A. J. Sinclair (fh)
A. Smith (abdefgh)
C. E. Webb (cg)
VICTORIA
G. S. Andrews (adeg)
J. M. Carr (fh)
V. Raudapp (g)
E. G. Tallman (g)
VIRGINIATOWN
J. W. Baker (df)
WATERLOO
H. K. Ellenton (cde)
W. VANCOUVER
W. J. Weymark (g)
WILLOWDALE P. O.
J. D. Moller (cg)
W. G. Wahl (d)
WINNIPEG
W. C. Briabin (ah)
N. Mudry (g)
WOLFVILLE
H. L. Cameron (aefh)
R. H. Magavrey (ce)
OTHER FOREIGN COUNTRIES (by countries)
ALGERIA
G. Grenet (bd)
ANGOLA
E. L. Bowen (abdefgh)
G. Brognon (df)
S. R. Rokke (b)
ARGENTINA
H. L. Copeland (bh)
G. J. Heinisheimer (g)
J. Evin (adeh)
R. Martin (abdefh)
R. N. Panzarini (e)
O. Schneider (abdefgh)
C. Schulz (abdefh)
L. Silvestri (deg)
A. O. Solari (d)
J. J. Zunino (abdh)
AUSTRALIA
G. N. Alexander (cg)
G. Baker (abdefgh)
K. E. Bullen (b)
H. G. Caine (cg)
T. G. Chapman (g)
R. Culver (aceg)
A. L. C. Davidson (bg)
A. A. Day (abdefh)
C. D. Dooley (abdh)
E. A. Flinn, III (b)
G. Glynn (g)
T. I. Gray, Jr. (c)
L. T. Guy (ag)
H. S. Hancock (abdfh)
D. H. Hastie (abdfh)
L. V. Hawkins (abdefh)
K. M. Jaeger (bdhf)
P. M. Jeffery (f)
H. L. Lavery (abdefgh)
D. H. Munro (g)
G. H. Munro (d)
J. R. Philip (cg)
R. S. Prior (abdefgh)
M. B. Shepherd (cg)
R. O. Slatyer (cg)
L. C. Sprigg (h)
R. W. Stach (abeh)
R. F. Thyer (abdefgh)
D. T. Walsh (g)
J. P. Webb (bh)
W. W. Wood (bd)
AUSTRIA
V. Fritsch (d)
AZORES ISLANDS
J. Agostinho (bedf)
F. Machado (bf)
BELGIAN CONGO
E. A. Bernard (cg)

BELGIUM
L. S. Caben (f)
P. R. Delvaux (cg)
P. Evard (abdh)
G. A. T. Heyndrickx (g)
M. Nicolet (cd)
R. Tavernier (cg)
BOLIVIA
W. J. Koop (abdfh)
BRAZIL
O. Barbosa (befgh)
K. Blankenagel (abdef)
J. G. Cabrera (fh)
C. S. Deal (abefh)
C. Durrell (fh)
J. de S. Ferraz (ceeg)
R. R. Franco (f)
S. W. Fruehling (b)
C. Gemaal (e)
S. V. Guedes (dfgh)
R. D. Hilliker (b)
H. Maksoud (g)
L. A. Penna (abdefgh)
O. Pfafstetter (cefg)
E. Fochler (fgh)
H. M. Rackets (ab)
R. V. Rodriguez (g)
R. R. Saldanha-da-Gama (abdefgh)
E. Secades (g)
H. O'R. Sternberg (cefg)
P. S. Stoutjesdyk (abdfh)
A. L. Teixeira (g)
J. K. Warren (bdh)
BRITISH WEST INDIES
E. A. Fiolkes (g)
A. G. Matthews (cg)
H. O. Phelps (g)
G. R. Robson (bfh)
Y. H. Smithey (ag)
P. Verrall (adgh)
S. A. Vincenz (abdh)
D. Woo (abed)
BURMA
N. A. Beck (c)
U. K. Khin (c)
M. T. Yin (beeg)
CHILE
E. Arias (cg)
A. Forch (a)
C. Lomnitz (abefh)
G. Moore (cg)
M. Strabucchi (abdefgh)
A. Vidal C. (g)
CHINA (Taiwan)
D. K. Y. Chen (bd)
S. H. Hsu (ag)
C. K. Lee (cg)
S. C. Lee (acg)
R. J. Sun (g)
M. Tang (g)
H. J. Teng (g)
C. C. Ying (a)
CHINA (Mainland)
C. Y. Fu (abdefgh)
COLOMBIA
R. Allenby (abf)
C. F. Berggren (bh)
R. C. Cardona (cg)
L. Chiquito (cg)
D. D. Close (bfh)
M. P. Cuellar (bg)
P. Z. Kirpich (g)
N. M. Layne, Jr. (g)
A. Lopez (cg)
C. S. Munoz (cg)
C. S. Ospina (g)
J. E. Ramirez (abefh)
L. Ritsma (bfh)
F. Wiesner (g)
COSTA RICA
F. M. Rudin (adeg)
CUBA
S. G. Argudo (abde)
P. E. Canas-Abril (ce)
R. Engleman (bh)
J. R. Goben (abode)
M. E. Rodriguez E. (c)
J. M. Ruiz Miyar (g)
A. H. Smith, Jr. (bth)
S. Thyssen-Bornemisza (adh)
T. Treitel (bth)
A. D. Wandke (c)

CZECHOSLOVAKIA
V. Steinocher (f)
DENMARK
E. A. Andersen (ab)
I. Lehmann (b)
H. Lundgren (eg)
DOMINICAN REPUBLIC
M. E. Gomez Pieters (acg)
ECUADOR
E. G. Albright (b)
EGYPT
E. S. A. El-Sammy (g)
M. Sadek (g)
EL SALVADOR
G. A. Imery (g)
R. Schulz (bth)
FINLAND
P. Eskola
I. Hela (ce)
R. A. Hirvonen (a)
J. Keranen (acd)
T. J. Kukkonen (a)
E. Niakana (a)
E. H. Palmén (ce)
V. Väisälä (c)
FRANCE
G. E. Baboin (bf)
H. L. Brewer (b)
J. W. Butler, Jr. (bdhf)
P. Daniel (cg)
F. Delobean (d)
F. Erdos (g)
G. G. Gibson (b)
J. Goulet (b)
G. H. Hazen (ab)
W. S. Keeler (cig)
G. R. Lacharrie (abdefgh)
L. Liboutry (g)
J. Rodgers (fh)
H. Schoeller (g)
F. R. Wimbish (ag)
FRENCH WEST AFRICA
C. Metzger (bdegh)
FRENCH WEST INDIES
P. Molard (bdf)
GERMANY
G. Augenheister (bdhg)
J. Bartels (bedgh)
H. Berg (bedg)
R. Block (d)
W. K. Friedrich (g)
A. Graf (ad)
W. Hiller (b)
H. Israel (cd)
H. Jung (g)
V. J. Kisselbach (d)
H. G. Knoch (cg)
O. Meissner (abdh)
H. J. Menzel (abdefh)
E. O. Meissner (c)
F. Möller (bedegh)
S. Mueller (abde)
Wöring (g)
K. M. Rawer (d)
G. K. H. Solle (fgh)
F. G. Werner (ad)
GREAT BRITAIN
D. J. Allen (b)
N. N. Ambrose (beg)
F. V. Appleby (g)
W. D. Black (bh)
D. R. Brown (abedh)
E. C. Bullard (abefh)
E. C. Childs (a)
N. J. Cochran (cefg)
B. W. Collins (cefg)
R. Davies (abdh)
S. N. Davies (bcdfgh)
G. M. B. Dobson (cd)
E. W. Frowe (ad)
G. H. Hawes (g)
H. H. Jones (b)
O. T. Jones (h)
B. R. Doncarville (adh)
L. Z. Makowiecki (abdh)
M. Mansell-Moullin (abdefgh)
R. G. Mason (abefh)
J. E. Nash (g)
H. C. Noltmeyer (d)
J. T. Rans (abdh)
J. A. Ratcliffe (d)

- G. deQ. Robin (beegh)
 J. R. Rossiter (ceg)
 G. Seligman (ag)
 T. O. Smallwood (g)
 R. Stoneley (abceh)
 R. H. Talty (b)
 E. Tiltonson (b)
 H. W. Underhill (abdefgh)
 E. J. P. van der Linden (b)
 H. A. Winkler (b)
- GREECE
 W. N. Abbott (d)
 P. P. Karapiperis (c)
- GUATEMALA
 G. Dengo (fh)
- ICELAND
 G. Bodvarsson (fg)
 T. Einarsson (fh)
 T. Gudmundsson (bce)
- INDIA
 H. Y. Ajwani (g)
 S. C. Awasthi (g)
 S. B. Ball (g)
 S. L. Banerjee (bcd)
 S. K. Banerji (g)
 V. Bhaskara Rao (bdh)
 A. P. Bhattacharya (ceg)
 V. L. S. Bhimasankaram (bdh)
 G. C. Chatterji (abg)
 R. S. Chhatwal (abdefgh)
 R. D. Dhir (ceg)
 A. N. Dutta Choudhury (abce)
 B. Frank (g)
 M. Gangopadhyaya (c)
 S. N. Ghosh (abdefgh)
 V. N. Gunaji (ceg)
 S. R. Jindal (ceg)
 A. N. Khosla (abdefgh)
 K. V. Krishnamurthy (ceg)
 M. S. Krishnan (fh)
 M. Manohar (ceg)
 B. N. Murthy (ceg)
 H. Narain (ah)
 K. Parthasarathy (ceg)
 B. D. Pathak (g)
 K. R. Ramanathan (edeg)
 S. Sen (efh)
 M. V. Subramanyam (g)
 B. S. Rama Rao (abd)
 P. H. Vaidyanathan (g)
- INDONESIA
 R. W. Decker (bh)
 R. Goenaro (c)
 B. O. Winkler (abdh)
- IRAN
 F. A. Afshar (abdefgh)
- IRAQ
 A. J. Abdullah (ce)
 V. J. Sevan (ceg)
 K. E. Snelson (g)
 A. G. Sultan (c)
 J. L. Welsh (g)
- IRELAND
 C. L. Dooge (g)
 J. P. Farrell (g)
- ISRAEL
 B. Aisenstein (fgh)
 D. B. Ashbel (ceh)
 S. Irmay (ceg)
 K. Kahanovitz (g)
 J. Karcz (fgh)
 D. B. Krimgold (g)
 P. Lieber (bch)
 C. L. Pekeris (abch)
 N. Rosenan (ceg)
 A. Vervin (g)
- ITALY
 G. Aliverti (ceg)
 M. A. Boccacery (abd)
 M. Bosolasco (abd)
 P. Caloi (bfg)
 G. Cassinis (abd)
 G. Dessau (bdh)
 G. L. Kesteven (e)
 T. Lavevatu (e)
 S. Merocchiano (g)
 S. Polli (ceg)
 P. L. Romita (ceg)
 R. Selli (befgh)
 G. Tedde (bc)
- D. Tonini (g)
 P. E. Valle (abfh)
- JAPAN
 S. Akimoto (d)
 H. Arakawa (bedeg)
 T. Asada (b)
 T. Higashimura (bh)
 K. Hidaie (ceg)
 A. Higaishi (cg)
 H. Higashinaka (a)
 M. Hiroono (d)
 T. Hiroso (abef)
 H. Hojo (d)
 R. Ikegami (b)
 H. Kamiyama (d)
 Y. Kodaira (cg)
 Y. Kumagai (a)
 H. Kuno (bf)
 K. Kusunoki (ceg)
 Y. Miyake (e)
 Y. Miyamura (b)
 T. Nagata (bdf)
 U. Nakaya (ceg)
 E. Nishimura (abdfh)
 S. Omote (abf)
 T. Onodera (bdfg)
 G. Sakai (cg)
 K. Sakurashi (e)
 T. Sekiguti (ceg)
 T. Shimazaki (d)
 Y. Shimura (abdfh)
 D. Shimomura (abdh)
 S. Suyehiro (bc)
 K. Takama (cg)
 H. Takeuchi (abdh)
 T. Tsuboi (abdh)
 M. Wada (d)
 K. Wadati (bc)
 D. E. Werts (ac)
 S. Yamamoto (g)
 S. Yatsu (g)
 K. Yoshida (abce)
- JORDAN
 A. W. Schimberg (bgh)
 D. H. Worab (ceg)
- KENYA
 G. D. M. Campbell (efg)
 G. T. Roberts (efg)
- KOREA
 S. W. Park (g)
- LEBANON
 A. I. Kashef (g)
- LIBYA
 K. Arnold (abdefgh)
 E. D. Bellier (bf)
 W. R. Dorch (b)
 D. B. Heaney (b)
- LUXEMBOURG
 R. C. Mitchell (befh)
- MADAGASCAR
 C. Poisson (bd)
- MEXICO
 C. Acosta Del Campo (fgh)
 A. Acuña O. (cd)
 A. Adem (bce)
 E. F. Aldredge (f)
 M. Alvarez, Jr. (h)
 A. R. V. Arellano (fgh)
 A. C. Arias
 G. D. Camp (abfgh)
 A. Contreras Arias
 E. Craviotto (g)
 Z. de Caerna (fh)
 A. de la O Carreno (bdfg)
 G. F. del Villar (ceg)
 J. M. Donna (abdh)
 S. G. Ferraes (d)
 E. M. Fournier d'Albe (ceg)
 C. Fries, Jr. (f)
 A. Garcia-Quintero (cg)
 A. R. Geyne (fh)
 A. Loebnberg (g)
 M. Medina (a)
 G. H. Moedano (abdg)
 R. Monges Lopez (ad)
 W. E. Snow (d)
 A. D. Sollina (a)
 M. Veytia Barba (cfh)
 I. F. Wilson (fh)
- MONACO
 J. A. Christensen (be)
- MOROCCO
 P. W. Brown (d)
- NETHERLANDS
 B. Baars (abdh)
 H. H. Brons (bd)
 L. E. J. Brouwer (abfh)
 B. de Blank (abf)
 D. J. Dooijla (ceg)
 D. A. Kraaijenhoff van de Leur (ceg)
 H. H. Kuenen (bdefgh)
 H. M. E. Schurmann (abdefgh)
 P. Tetrode (ede)
 J. Th. Thijssen (ceg)
 J. van Veen (ceg)
 A. Van Weelden (abdeh)
 F. A. Vening Meinez
 S. W. Visser (bedh)
 J. I. Walton (b)
- NEW GUINEA
 G. A. Taylor (beef)
- NEW ZEALAND
 H. E. Hales (bdf)
 R. H. Olson (bdh)
 E. I. Robertson (bdfh)
 F. E. Studt (abdefgh)
 C. Toebes (g)
 H. W. Ward (abdefgh)
 A. L. Washburn (ceg)
- NICARAGUA
 E. G. Gutierrez (ceg)
 T. Ponce de Avalos (cd)
 J. A. Rodriguez A. (cfh)
 C. Rugama (abdfh)
- NIGERIA
 P. Santema (efg)
- NORWAY
 T. F. W. Barth (f)
 C. L. S. Godake (e)
 L. Harang (d)
 E. Raestad (g)
 S. Roselland (ad)
 S. Torquander (abdfh)
- PAKISTAN
 A. M. Khan (bdfgh)
 S. S. Kirmani (g)
 G. E. Kramer, Jr. (b)
 S. Mahmud (abcefg)
 S. S. Bursaihy (aceg)
 N. N. Starmans (cg)
 C. M. Umar (g)
- PANAMA
 F. L. Greene (ef)
- PERU
 M. N. Arca (ceg)
 F. A. Broggi y Morel
 (abdefgh)
 N. W. Burr (b)
 J. W. Gabelman (fh)
 A. A. Giesecke, Jr. (bedh)
 D. Keppel (abfh)
 P. G. Ledig (bd)
 R. I. Lowe, Jr. (g)
 F. C. Nieri (abfh)
- PHILIPPINE ISLANDS
 G. W. Allen (bdf)
 N. Badillo (g)
 F. W. Gwinn (bd)
 J. J. Hennessey (bd)
 A. O. Hizon (abce)
 D. I. Ilio (g)
 W. B. Iyer (h)
 C. M. Legaspi (abdefgh)
 N. B. Sauve (abdh)
 G. D. Schedler (bh)
- PORTUGAL
 J. T. da Fonseca Oliveira (abg)
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 G. W. Trump (abdfh)
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 (abef)
 H. Vollenweider (acdefg)
 A. J. Vollmer (g)
 J. M. Ward (g)
 G. A. Young (eh)
 YUGOSLAVIA
 R. Turajlic (ad)
 ZANZIBAR
 B. E. Bell (ceg)

Union and Section Committees

[These are in the process of formation. The list will be published subsequently in the *Transactions*.]

Executive Committee of the Union

Standing Committees of the Union

International Participation
Statutes and By-Laws
Membership
Meetings
Nominations
Budget
Audit

Special Committees and Boards of the Union

Geophysical and Geological Study of Continents
Cosmic-Terrestrial Relationships
Award of the William Bowie Medal
Resolutions
Education
Award in Terrestrial Magnetism and Electricity
Tellers
Advertising
Relationship of American Geophysical Union to
International Geophysical Year
Study of the Metric System
Geophysical Abstracting
Russian Translations
Geophysical Monographs

Regional Committees

North Central Regional Committee
Pacific Northwest Regional Committee
Pacific Southwest Regional Committee
Mid-Pacific Regional Committee (Geophysical
Society of Hawaii)

Representatives

National Research Council, Division of Earth
Sciences
National Research Council, Division of Physi-
cal Sciences
National Research Council, Office of Critical
Tables
American Association for the Advancement of
Science, Representatives on the Council
American Geological Institute, Board of Direc-
tors and Government Relations Committee
U. S. National Committee for the International
Geophysical Year
American Standards Association, Committee
Y-15

Committees of the Sections

Geodesy

Executive Committee
International Participation
Resolutions
Program
Nominations

Seismology

Executive Committee
International Participation
Resolutions
Nominations

Meteorology

Executive Committee
International Participation
Upper Atmosphere
Atmospheric Diffusion
Atmospheric Chemistry
Cloud Physics
Biometeorology
Interactions of the Atmosphere with the Sea
(joint committee with the Section of Ocean-
ography and the American Meteorological
Society)
Nominations
Program

Geomagnetism and Aeronomy

Executive Committee
International Participation
Upper Atmosphere
Rapid Variations
Space Fields
Nominations
Resolutions

Oceanography

Executive Committee
International Participation
Nominations

Volcanology, Geochemistry, and Petrology

Executive Committee
International Participation
Nominations

Hydrology

Executive Committee
International Participation
Program
Awards
Nominations
Permanent Research Committees
Precipitation
Erosion and Sedimentation
Evaporation and Transpiration
Surface Water
Snow and Ice
Glaciers
Ground Water

Tectonophysics

Executive Committee
International Participation
Nominations

List of Publications

Transactions

Arrangements have been made with the Johnson Reprint Corp., 111 Fifth Ave., New York 3, N. Y. to reprint back numbers of the *Transactions*, most of which are now out of print. Volumes 1-15 inclusive (except 3 and 5 which were business minutes and were never formally published) have been reprinted and are available, as are the fragmentary back volumes from 1956 and earlier, from the affiliated company, Walter J. Johnson, Inc., at the same address. Below is a complete listing of the *Transactions* issued.

Volume No.*	Year	Title	No. pages	Price, volume
1	1920	Transactions (Reprint and Circular Series, National Research Council No. 11).....	57	
2	1921	Transactions (Bull. National Research Council, No. 17)...	108	
3	1922	Not published.....	...	
4	1923	Transactions (Bull. NRC, No. 41).....	150	
5	1924	Not published.....	...	
6	1925	Transactions (Bull. NRC, No. 53).....	80	
7	1926	Transactions (Bull. NRC, No. 56).....	134	
8	1927	Transactions (Bull. NRC, No. 61).....	297	
9	1928	Transactions (Bull. NRC, No. 68).....	103	
10-11	1929-30	Transactions (all Sections).....	314	
12	1931	Transactions (all Sections).....	229	
13	1932	Transactions (all Sections).....	401	
14	1933	Transactions (all Sections).....	521	
15	1934	Transactions Part I (all Sections except Hydrology).....	258	
	1934	Transactions Part II (Hydrology).....	376	
16	1935	Transactions Part I (all Sections except Hydrology).....	364	
	1935	Transactions Part II (Hydrology).....	166	
17	1936	Transactions Part I (all Sections except Hydrology).....	260	
	1936	Transactions Part II (Hydrology and Regional Meetings, Hydrology).....	304	
18	1937	Transactions Part I (all Sections except Hydrology).....	264	
	1937	Transactions Part II (Hydrology and Regional Meetings, Hydrology).....	300	
19	1938	Transactions Part I (all Sections).....	585	
	1938	Transactions Part II (Regional Meetings, Hydrology).....	159	
20	1939	Transactions Part I (Regional Meetings, Hydrology).....	140	
	1939	Transactions Part II (Symposium on floods).....	94	
	1939	Transactions Part III (all Sections except Hydrology).....	250	
	1939	Transactions Part IV (Hydrology).....	257	
21	1940	Transactions Part I (Stanford University, Regional Meetings, Hydrology).....	144	
	1940	Transactions Part II (Washington Annual Meetings, all Sections).....	632	
	1940	Transactions Part III (Richmond Symposium and Seattle Regional Meetings, Hydrology).....	285	
	1940	Transactions Part IV (Columbus symposia: Applications of mathematics in the Earth sciences and Hydrologic problems in the Ohio and Michigan basins).....	86	
22	1941	Transactions Part I (Sacramento Regional Meeting, Hydrology).....	216	
	1941	Transactions Part II (Washington Annual Meetings, all Sections except Hydrology).....	368	
	1941	Transactions Part III (Washington Annual Meeting, Hydrology).....	452	
23	1942	Transactions Part I (Dallas and Pasadena Regional Meetings, Hydrology).....	172	
	1942	Transactions Part II (Washington Annual Meetings, all Sections).....	570	

(See note near top of this page)

*The first 25 volumes do not carry a volume number in the original publication but do in the reprinted edition. The year of the meeting reported is the basis for the volume number, though some of the parts carried the following year also as the year of issue.

LIST OF PUBLICATIONS

119

<i>Volume No.</i>	<i>Year</i>	<i>Title</i>	<i>No. pages</i>	<i>Price, volume</i>
24	1943	Transactions Part I (Washington Annual Meetings, all Sections except Hydrology).....	332	
	1943	Transactions Part II (Washington Annual Meeting, Hydrology).....	454	
	1943	Transactions Part III (Corvallis Regional Meeting, Hydrology, and Western Snow Conference) and Addendum.....	105	
25	1944	Transactions Part I (Berkeley Regional Meeting, Hydrology, and Western Snow Conference).....	187	
	1944	Transactions Part II (Washington Annual Meeting, General Assembly, Geodesy, Seismology, Minutes of all Meetings).....	203	
	1944	Transactions Part III (Washington Annual Meeting, Meteorology).....	138	
	1944	Transactions Part IV (Washington Annual Meeting, Terrestrial Magnetism and Electricity, Oceanography, Volcanology, and Tectonophysics).....	142	
	1944	Transactions Part V (Washington Annual Meeting, Hydrology: Reports).....	160	
	1944	Transactions Part VI (Washington Annual Meeting, Hydrology: Papers).....	236	
		Index, <i>Transactions</i> , volumes 1-25 (combined author and subject).....	144	\$4.00
		An index for volumes 26-39, during which period the <i>Transactions</i> were issued bimonthly, is being compiled and should be available early in 1960.....		
26	1945	Three bimonthly numbers starting with August.....	482	
27	1946	Six bimonthly numbers.....	926	
28	1947	Six bimonthly numbers.....	980	
29	1948	Six bimonthly numbers.....	956	
30	1949	Six bimonthly numbers.....	950	
31	1950	Six bimonthly numbers.....	968	
32	1951	Six bimonthly numbers.....	964	
33	1952	Six bimonthly numbers.....	956	
34	1953	Six bimonthly numbers.....	986	
35	1954	Six bimonthly numbers.....	1026	
36	1955	Six bimonthly numbers.....	1132	
37	1956	Six bimonthly numbers.....	812	
38	1957	Six bimonthly numbers, only June and August still available at \$2.00 each.....	1036	
39	1958	Six bimonthly numbers, only February and December still available at \$2.00 each.....	1244	
40	1959	Four quarterly numbers, \$1.25 each*, on subscription (subscriptions for 1960 are \$4.00 also, based on the calendar year).....	400±	\$4.00

(See note near top of page 118)

(See note near top of page 118)

*September 1959 issue, containing membership directory is \$2.25. The membership directory is available separately for \$1.25.

Journal of Geophysical Research

(Formerly *Terrestrial Magnetism and Atmospheric Electricity*)

Beginning with volume 64, for 1959, this publication became a monthly as AGU's prime scientific journal. The available supply of back numbers, 1958 and earlier, are in the hands of Walter J. Johnson, Inc., 111 Fifth Ave., New York 3, N. Y. Subscriptions for the 12 monthly numbers for calendar year 1959 are still available at a price of \$16.00; individual copies are \$2.00 each. For 1960, the subscription rate is \$20.00; individual numbers, \$2.25 each. Subscriptions on other than the calendar year are at the per-copy rate.

Geophysical Monograph Series

<i>No.</i>	<i>Year</i>	<i>Title</i>	<i>No. pages</i>	<i>Price, volume</i>
1	1956	Antarctica in the International Geophysical Year (with 42 x 42 inch map of the Antarctic).....	134	\$6.00
2	1958	Geophysics and the IGY (papers of June 1957 Symposium).....	210	8.00
3	1959	The Atmospheric Chemistry of Chlorine and Sulfur Compounds (papers of Cincinnati Symposium).....	129	5.50
4	1959	Contemporary Geodesy (papers of Cambridge Symposium).....	95	5.50
5	1959	Physics of Precipitation (papers of Woods Hole Conference, 1959) (to be issued late in 1959).....	...	...

Special Publications

<i>Year</i>	<i>Title</i>	<i>No. pages</i>	<i>Price</i>
	Bibliography of Hydrology, United States of America:		
(1937)	Years 1935 and 1936.....	78	0.60
(1938)	Year 1937.....	68	0.60
(1939)	Year 1938.....	78	0.60
(1940)	Year 1939.....	86	1.70
(1941)	Year 1940.....	90	1.70
	Years 1941-1950 available through Government Printing Office, Washington, D. C., at a price of \$1.75.....	408	
	Years 1951-1954 available through Government Printing Office, Washington, D. C., at a price of \$1.25.....	208	
	List of Members and Officers:		
1957	February 10, 1957 (included in April 1957 Transactions)	90	1.00
1959	August 1, 1959 (included in September 1959 Transactions)	120	1.25

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For the year 1958, 12 numbers, being translated and produced by AGU in a 8½" x 11" offset format, subscriptions.....	\$25.00

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